

CA Detector® for DB2 for z/OS



At a Glance

CA Detector® for DB2 for z/OS (CA Detector) provides in-depth analysis capabilities that enable you to identify the programs and SQL statements that most significantly affect your DB2 system performance — regardless of whether these SQL statements originate from CICS, IMS, Batch, TSO, J2EE, ODBC or other connection mechanisms.

Key Benefits/Results

- **Comprehensive data collection.** Monitors SQL activity from a wide variety of sources.
- **Assess resource consumption.** Facilitates tuning efforts.
- **Monitor errors and exceptions.** Helps debug application failures.

Key Features

- **Comprehensive data collection.** Collect SQL metrics from all sources at defined intervals. Retain the data for near-term analysis and display.
- **Exceptions.** Capture individual SQL metrics and text for activity exceeding thresholds.
- **Errors.** Capture individual SQL warnings and errors with text. Allow exclusion of certain codes.
- **Data unload capabilities.** Externalize the collected data and load it into DB2 tables for more analysis.
- **Batch reporting.** Supports reporting of SQL data without unloading.
- **Extended problem tracking.** Integrates with CA Subsystem Analyzer to extend problem tracking to database objects such as Tables and Indexes.

Business Challenges

As enterprises rely more on their DB2 database applications, high performance and ongoing reliability become increasingly important. IT organizations must locate, analyze and control resource-hungry or poorly performing DB2 applications and SQL to optimize performance and minimize resource consumption.

Solution Overview

CA Detector provides analysis capabilities that help identify the programs and SQL statements that impact your DB2 system performance. SQL activity is collected from many sources—including online and batch mainframe applications using static SQL, client/server applications, reporting applications and ERP systems that access DB2 using dynamic SQL. Data warehousing applications using dynamic or static SQL and host variable values can also be collected.

CA Detector displays the highest resource consumers in a DB2 subsystem. View DB2 performance information at various levels and drill down for more granularity.

In addition, CA Detector integrates with other CA Database Management Solutions for DB2 for z/OS products to help diagnose and evaluate performance problems. For example, CA Detector integrates with CA Subsystem Analyzer to extend problem tracking to database objects, programs, and SQL statements, analyze buffer pool hit ratios, get page requests and physical object I/O.

Critical Differentiators

CA Detector provides the following capabilities to help you manage your DB2 subsystem performance:

- **Collect data.** Monitor SQL from many sources. Retain the data for near-term analysis and display, or externalize the collected data and load it into DB2 tables for more analysis.
- **Monitor resource consumption.** Identify high resource consumers by reviewing real-time or historical data at the application, plan, program or statement level.
- **Detect errors and exceptions.** Capture SQL error codes and the plan and authorization ID that caused the error. SQL statements that exceed defined thresholds are captured, stored and flagged for further investigation.
- **Data unload capabilities.** Load end-user data contained in the SQL exception unload records, from end user data from applications like PeopleSoft, into new columns that were added to an optional CA Detector table. You can also unload the host variables associated with SQL exceptions and load them into an optional CA Detector table.
- **Diagnose performance problems.** Explain problematic queries, extend problem tracking, examine thread data and terminate threads by integrating CA Detector with other Database Management Solutions for DB2 for z/OS products from CA Technologies.

Related Products/Solutions

CA Detector integrates with these CA Technologies products:

- **CA Plan Analyzer® for DB2 for z/OS.** Explains SQL and recommends improvements.
- **CA Subsystem Analyzer for DB2 for z/OS.** Analyzes buffer pool hit ratios.
- **CA SYSVIEW® Performance Management Option for DB2 for z/OS.** Summarizes and displays the CA Detector data.

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

CA Technologies (NASDAQ: CA) creates software that fuels transformation for companies and enables them to seize the opportunities of the application economy. Software is at the heart of every business, in every industry. From planning to development to management and security, CA is working with companies worldwide to change the way we live, transact and communicate – across mobile, private and public cloud, distributed and mainframe environments. Learn more at [ca.com](https://www.ca.com).