

**PRODUCT INFORMATION**

**EZ- Index Analyzer for DB2 on z/OS**



How well is your SQL workload served by your existing Index implementation?.

**Benefits**

- Determine the effectiveness of your index design
- Identify Indexes not used
- Identify new indexes or index changes that will be beneficial to your SQL workload
- Identify where additional or modified predicates will make better use of existing indexes

**Solution Description**

Determine how well your SQL Statements are served by your existing Index design. List Used and Not Used Indexes. Analyze the predicates used in SQL Statements against an existing Index design and identify where NEW and/or MODIFIED Indexes would improve performance, and where DIFFERENT predicates would make better use of existing Indexes.

**Business Opportunity**

It is commonly recognized that Index Design is the most powerful tool available to improve SQL and overall system performance. However, most sites do not have the resource available to maintain the optimum design or to continually re-evaluate the index design against a constantly changing application environment. Indeed, it would not be feasible for a DBA team to consider all of the possible index permutations within a reasonable time-frame. Therefore, automated index design tools are a recognized necessity. Our tools are the industry leading tools using patented technology to ensure the correct index design for new and existing applications.

Better Indexes means:-

- Better Performance
- Reduced resource consumption
- Reduce DBA effort

### Detailed Solution Description

Analyze an *SQL workload* that has been previously created in the EZ-DB2 SQL Warehouse (see note).

An *SQL workload* may comprise:-

- SQL loaded from the DB2 catalog for selected Plans or Packages and/or
- Static or Dynamic SQL collected using the EZ-Tracer or EZ-Cache components and/or
- SQL entered in free-form.

You may therefore perform Index Analysis for:-

- Single applications
- Multiple applications
- An entire Workload
- Static and Dynamic SQL

EZ-Index Analyzer will:-

- Determine how well SQL Statements are served by existing Index design.

- List Used/Not Used Indexes.
- Analyze the predicates used in SQL Statements against an existing Index design and identify where NEW and/or MODIFIED Indexes would improve performance
- Identify where DIFFERENT predicates would make better use of existing Indexes.

### Competitive Advantage

- Only Index Design Tool that addresses needs of Dynamic SQL
- Only Index Design Tool that addresses needs of entire Workload taking into account execution frequencies and index maintenance costs.
- Only Index Design Tool licensed to utilize the advanced patented evolutionary heuristic index design algorithm in conjunction with the DB2 optimizer.

### About Cogito

Cogito is a leading supplier of software tools for DB2® and CA-IDMS®. Cogito software is used by many of the worlds leading Fortune 1000 companies and other large organizations to support their enterprise systems. For further information and to find your local distributor visit [www.cogito.co.uk](http://www.cogito.co.uk)



Everyone's talking about EZ-DB2 ®. Find out what the Buzz is about at [www.ez-db2.com](http://www.ez-db2.com)

**Notes:** Requires EZ-DB2 SQL Warehouse Manager as a pre-requisite. EZ-XOP® has been developed under a patent license from British Telecommunications PLC, European Application No: 96944107.0 including its foreign counterparts.

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