DB/IQ WL+

WorkLoad Detector for DB2®

DIAGNOSING PERFORMANCE ISSUES ON DB2®
BY IDENTIFYING CRITICAL PACKAGES AND SQL

BENEFITS

- Detect the top resourcing “crunchers” by analyzing complete applications and reduce their “workload”
- Capture trace for all SQL regardless of origin, both static and dynamic SQL, including QMF® or ERP packages
- Use a very “lite” DB2® trace to locate the top “n” resources at alternative levels. Levels may be THREAD, PACKAGE, PACKSUM or SQL statements (static / dynamic or both).
- Tune critical SQL statements with DB/IQ QA
- Tune critical indexes with DB/IQ IA+

FEATURES

- Assists filter SQL Monitor data to display or on critical packages and SQL. E.g. number of times an SQL or Package was executed, elapse time, CPU time, rows processed, stage I or II rows processed, pages retrieved...
- User-set threshold values to locate packages and/or SQL statements with the highest-total, average or single DB2® elapse time, CPU time, no. of scanned pages, exec counts...
- Detect critical objects by reporting which tables and / or indexes were accessed most frequently and how

DB/IQ WL+ is a smart and efficient solution to quickly point out which packages or statements generate overconsumption.
## DB/IQ WL+ Workflow

### SOURCE
- DB/IQ Trace Database
- Plans executed
- Packages involved
- Objects involved
- SQL executed
- Stored Procedures
- Triggers
- Functions
- Execution Sequence

### FUNCTIONS
- Checks all Applications «in house» developed & «purchased»
- Rule-driven WL checks
- Integrated in QA Rule
- Maintenance
- Set Thresholds
- Executes in Foreground or In Batch
- Set Result Filters
- Present Complete and Filtered Results

### BENEFITS
- Locate most costly applications and SQL.
  - Ensure less problems.
- Enforce Run Time Standards.
  - Ease Maintenance.
  - Improve Performance.
- Enhances Standard QA:
  - Adapts to growing and changing applications
  - Locates expensive and frequently executed SQL
- User-Friendly Dialog
  - Drill-Down Screens
  - Easy-to-Understand Results
- Improve Performance:
  - Resolve SQL black box
  - Check SQL in Application before Production
  - Check Response Time Legibility
  - Locate CPU "crunching" SQL
- Enhances DB/IQ SQL Monitor
  - Adapts to growing and changing applications, such as ERP
  - Assists ERP DBAs

### All Dynamic and Static SQL including:
- ERP Applications
- WEB Applications
- Client-Server

### Locates Most Costly & Frequently Executed Plan, Package and SQL Statements:
- CPU-/Elapse-Time consumption
- Pages Retrieved
- Rows Scanned (Stage I, II)
- And more ...

### Locates Frequently Accessed:
- Tables & Indexes
- Non-Accessed Indexes

### Locates same SQL in the Dynamic Cache

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