

DB/IQ WL+ Workload Detector for DB2®

Revealing DB2® performance issues

Benchmark DB2®
applications as a whole

ADVANTAGES

DB/IQ WL+ provides smart and efficient access to heavy-weight packages or statements

DB/IQ WL+ discloses highly pressurized tables & indexes as suspects for tuning efforts



BENEFITS

Detect top resource "crunchers" by analyzing entire applications and identifying heavy "workload"

Capture trace for all SQL regardless of origin, both static and dynamic SQL, including QMF® and ERP packages

Extra "lite" DB2® trace to locate top "n" resources at various levels ranging from THREAD, PACKAGE or accumulated PACKAGE summaries down to single SQL statements

Tune critical SQL with DB/IQ QA

Tune non-efficient indexes with DB/IQ IA+



FEATURES

Filter SQL Monitor data to display or report on critical packages and SQL. E.g. SQL or Package execution count, elapsed and CPU time, rows processed, stage I or II rows processed, pages retrieved...

Custom threshold values to capture packages and/or SQL statements with the highest total, average or single DB2® elapsed time, CPU time, no. of scanned pages, exec counts...

Discover critical "hot" objects based on access frequency and method

DB/IQ WL+ Workflow

SOURCE

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

- All Dynamic and Static SQL including:
- ERP Applications
 - Web Applications
 - Client/Server

FACILITIES & FUNCTIONS

- > Check all applications
«home-grown» & «purchased»
- > Rule-driven WL+ checks
Integrated in QA Ruleset
Maintenance
Custom thresholds
- > Execute in foreground and batch
Filter results for better recognition
Present both filtered and non-filtered results

- > Locate most costly & frequently executed plans, packages and SQL statements:
 - CPU-/Elapsed-time consumption
 - Pages retrieved
 - Rows scanned (Stage I, II)
 - And more ...
- > Identify:
 - Frequently accessed tables & indexes
 - Unused indexes
 - Same SQL in Dynamic Statement Cache

BENEFITS

- > Locate most costly applications and SQL
Improve application quality
Assure less problems
- > Enforce Runtime Standards
Ease Maintenance
Improve Performance
- > Enhances Standard QA:
 - Adapts to growing and changing applications
 - Locates expensive and frequently executed SQL
- > Intuitive dialog
Drill-Down screens
Comprehensive results and reports
- > Improve Performance:
 - Shed light on the SQL black box
 - Check application's SQL before production
 - Check response time adequacy
 - Locate CPU "crunching" SQL
- > Enhances DB/IQ SQL Monitor:
 - Adapts to growing and changing applications, such as ERP
 - Assists ERP DBAs