



## DB/IQ QA+ - Quality Assurance Plus

monitors, explains and alerts upon all dynamic SQL executed in your z/OS DB2 systems; whether local, remote or as a connected client, for example Java.

### QA+ Features

- ✓ Unique DB2 Cache monitoring
- ✓ Threshold and parameter controlled Alert System
- ✓ Cache “snap shots” can be taken at given periods and consolidated to reduce volume of data being evaluated
- ✓ Average CPU and elapse times for each SQL, enabling easy recognition of poor performing SQL
- ✓ Powerful ISPF dialogue enables easy navigation - locate highest no. of rows returned, getpages or heaviest CPU consumers
- ✓ Detailed explain analysis
- ✓ Reports include Period Analysis, Trends, CPU Consumers ...
- ✓ Available for DB2 v8, v9 and v10. Supports UNICODE, long names etc.

### QA+ Facilities

- ✓ All dynamic SQL consolidated and benchmarked together with the DB2 access paths
- ✓ Interface to the standard QA enables Quality Assurance for all statements monitored and full explain functionality for tuning purposes
- ✓ Interface to the standard IA+ enables “index tuning”
- ✓ QA+ thresholds act as alert system for critical SQL
- ✓ “same” SQL statements neutralized to reduce volume of data
- ✓ User “tag” facilities, to trace SQL development
- ✓ Navigational dialogue quickly reveals the most frequent & most costly SQL
- ✓ User or Token Groups can be defined to reveal CPU consumers
- ✓ Accumulate results & build SQL Performance Warehouse
- ✓ SQL statements can be automatically compared with previous versions to indicate any changes in access paths selected by DB2. E.g. V8-V9 impact

### QA+ Benefits

- ✓ QA+ monitors all dynamic SQL - regardless of origin, including such from home-grown applications, client-server, web-based, QMF, ERP applications and ...
- ✓ QA+ Alert system automatically registers all “problem” SQL
- ✓ No expensive DB2 traces required.
- ✓ Increase CPU savings and delay expensive upgrades
- ✓ Performance problems can be easily detected, saving significant time (and money) of DBAs, users, and clients while typically saving percentage points in machine utilization.