DB/IQ QA+ Workflow

Source

Dynamic SQL in

- *home-grown applications IMS, CICS, Batch*
- *QMF*
- *Client-server*
- *Web-based*
- *Java*
- *+ ... more*

z/OS DB2 Cache

Dynamic SQL regardless of origin

ERP applications Dynamic SQL only !

- *SAP ®*
- *PeopleSoft ®*
- *+ ... more*

QA+ Functions

QA+ Cache Monitor

- *Set duration or unlimited*
- *Repeat until time expired or manual termination*
  1. *Cache snap-shot*
  2. *EXPLAIN "new" STMTs*
  3. *Check ALERTs pending*
  4. *Wait*

Batch Utilities

- *Neutralize "similar" SQL*
- *Tag & Track "suspects"*
- *"Hot column" Reports*
  Hottest SQL & Consumers
  Hottest Objects Accessed
  Indexes not Accessed
  Time & Period Delta Analysis
- *Accumulate Results*
- *Performance Data Warehouse*

Navigation Dialogue

- *Consolidated & Accumulated Views*
- *Search Engine*
- *Neutralized & De-Neutralized Displays*
- *"Hot column" Displays*
- *Statement Analysis*
- *Explain Analysis*
- *Time Analysis & Period Delta Analysis*
- *Objects Accessed*
- *User, Token & Group Analysis*
- *Interfaces to QA & IA+*

Quality Assurance & Index Tuning

for ALL SQL in the z/OS DB2 Cache

Benefits

No expensive DB2 traces required !

One utility to monitor ALL dynamic SQL in ALL DB2 systems- regardless of origin

SQL "neutralization" uncovers continual source of

- *Cache "churning"*
- *performance problems*
- *possible DB & Index design errors*

Interfaces to DB/IQ QA - Quality Assurance & IA+ - Index Administrator

Available for DB2 v8 and v9

Increase CPU savings and delay expensive upgrades

Performance problems quickly detected = as soon as they happen !

- *saving significant time (and money) of DBAs, users, and clients*
- *saving percentage points in machine utilization.*

Continuous Performance Tuning for all DYNAMIC SQL

Alert immediately when situation arises

Locate "hot" Consumers

Tag & Track "suspects"

Build Performance Data Warehouse

Build Trends

Bring control in a very unpredictable, otherwise uncontrollable, environment.