Performance Wizard for DB2

Welcome to **The Performance Wizard** that starts opening a new door forDB2 z/OS performance analysts who want to tune the DB2 system buffer pools.

One of the critical resources today is time - we never have enough, and the purpose of this component is to reduce the amount of time to analyze performance data. We are taking the tuning knowledge learned over the years, programming it, and applying it to the data collected from _your_ system.

Approach

We have already incorporated more than 30 rules into the Wizard, the number is growing rapidly, and is expected to surpass 100 a few months into 2010. The industry always speaks about _rules of thumb_. While there are some obvious rules, like not hitting critical thresholds, etc, most fall into a different area. The area of - It depends!

Many rules depend upon inter-relationships within the data, and depend upon ratios and percentages. These are the tuning techniques we have honed over more than two decades of looking at data from several hundred client sites.

Our goal is putting this knowledge at your fingertips, on your workstation. We focus on reducing both your IO rate/second, and your CPU processing cost. Reducing the TCO of your system and applications makes your company more competitive in the marketplace, and helps you survive in the current world..

Tuning Focus

We focus upon the IO Rate/Second because this is the only proven performance metric.
Don't be mis-led by hype about hit ratios, miss-ratios, and re-read rates.   They are all the same measure, twisted into new forms - and cannot be converted into CPU costs, or response and elapsed time projections. We focus upon the access to your data, how you use your objects.
Which Indexes have heavy sequential scan?   Tablespaces?   These are large tuning opportunities that often don't show up using other tools and monitors. Your object has 163 partitions, but only 45 are heavily accessed. Buffer Pool Tool and the Wizard will analyze usage of each partition.

The proper grouping of objects based upon access type and working set size will optimize both performance and memory requirements.   It has been proven over the years that increased memory does not always equal better performance, and see many installations wasting memory on pools that can be smaller and better utilized for other pools to reduce the IO rate/secong.

Availability

Beta availability started the week of November 9th, as part of the V95 workstation code update, on the Website Download page.

Updates will be frequent, as new rules are coded and validated. The module date on the website will be updated periodically, and may not reflect the latest code update. We have a Buffer Pool Tool group on www.LinkedIn.com - update information will be there and pushed out to members of the group. You are invited to send us any questions by email, and send CONSREP files for analysis whenever we can help you. We learn from your data - we learn new things every week.

The Wizard is a free part of the **Buffer Pool Tool for DB2** workstation component.

Buffer Pool Tool V9.4 is the recommended code level, and V9.3 is the minimum required code level. Buffer Pool Tool V9.3 and later runs on DB2 z/OS V8, and DB2 V9.

www.responsivesystems.com   **732-972-1261**   November 14, 2009