Performance Management

Duncan-Hill Services takes tremendous pride in being able to offer our clients services to take them to the next level . Our consultants hail from the largest and most prominent IT service organizations worldwide. We have contributed to and have created solutions to the most pressing needs of the largest of clients and are available to do the same for you.

On average, in a short amount of time, we reduce your critical database performance metrics significantly. CPU time is often reduced by 35%. Physical reads are reduced by 60%. Logical reads reads are reduced by 50%. Actual results vary and depend on your system but efficiency is improved significantly in most all engagements.

These efficiency improvements extend the life of your infrastructure thereby postponing costly upgrades thereby reducing the overall cost of your infrastructure. In addition, these efficiency improvements will ready your infrastructure for migration to a cloud infrastructure since cloud cost focuses primarily around CPU usage.

We have and currently engage a number of routines to identify the worst performing SQL statements in the database based on CPU time, elapsed time, logical reads, and physical reads. More often than not, there are only a handful of SQL statements that are responsible for the majority of the performance issues, and they can generally be addressed and remediated fairly quickly.

We are able to utilize vendor provided tools such as Oracle's Tuning and Diagnostic packs if available and necessary. However, a vast majority of the SQL tuning is performed quickly, efficiently, and manually.

In addition, we have processes to identify SQL statements that are behaving differently based on their SQL plan and execution metrics. For those SQL statements that are now running slower than their traditional plan, their execution plan reverts back to its traditional plan. For those SQL statements that are now running faster than their traditional plan, their execution plan becomes the newer and faster plan. This is known as plan stability and is automatically performed without human intervention. The process is automatic and can be run as often as desired and is used to help ensure that all SQL statements run consistently as expected avoiding unpleasant surprises.