Database Performance Tuning

The actions taken in this area will be contingent on the findings of the Database Assessment. All databases are different and have been used differently so there is no "packaged" approach as to what needs to be modified or customized. All aspects of the existing database, in it's current running environment will be examined for improvement. Some of those areas may involve Asynchronous Page Writers, memory usage, network connections, (-B) Memory usage settings, etc. All system parameters will be examined for use in improvement as well as disk space, allocations, and file placement.

Most enterprises hardly ever do performance tuning on their Progress databases, which is a poor management approach, until business disruptions start to take place. It is best to perform a deliberate and methodical analysis and then maintenance over time. This method is a proactive approach to heading off problems before they cause business disruptions. (Please see the comments about Ongoing Database Monitoring and Ongoing Support.)

This process will be summarized after each iteraton by a formally written Executive Summary of the Before and After Changes Report. This is never a canned analysis, it will be approached as a custom process each time since each database and computing environment is unique.

Notes:

- This work can be performed remote (if the network allows outside access) or onsite.
- If the customer wants changes made to their database, this process is highly recommended before any actual database changes are made.
- Input from the customer as to business hours peak run times, slow times, and other characteristics of the business' activity are extremely helpful.
- It is highly recommended that a spreadsheet of historical performance measures and DBA changes made is kept as an Audit Log over a continual time frame. This will help the DBA look for developing trends and evolvement of the database.

Time: On average, normally 2-5 weekends are required. This al depends on the amount of changes that need to be implemented.