DBA Services

Overview of (Recursive) Query Performance Tuning Process

1. Set performance target for application
2. Analyze application performance
   a. Ensure servers are not overwhelmed
      i. Process of capturing performance metrics varies depending on if the server is on VMware, Hyper-V, Docker, AWS, Azure, etc.
      ii. In general, focus on collecting metrics on waits and queues, especially around disk I/O, memory, and CPU
      iii. Network (health of the routers, cables, Wi-Fi repeaters, etc.) can also affect performance
3. Identify resource bottlenecks
4. Ensure proper configuration for hardware, OS, platform, SQL Server, database, and applications
5. Identify costliest query associated with bottleneck
6. Optimize query