REDUCING SQL SERVER TEMPDB LOAD BY OPTIMIZING QUERIES AND STORED PROCEDURES IN USER DATABASES FOR IMPROVING OVERALL PRODUCTION DATABASE SERVER PERFORMANCE

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Abstract

Performance Hindrances of the Production Servers are the major challenges faced by the IT industry. Database Server bottleneck may lead to stoppage of entire Business applications. Performance problems arise when continuing growth of data volume and number concurrent users to access those data. Increasing Hardware resources (IO, Memory and CPU) is not enough to acquire good performance unless and until applications Queries and Stored Procedures were optimized towards the server performance. Poorly designed Query may harm the entire server performance and eventually lead to entire business stoppage. A well-designed application may still experience performance problems if the SQL it uses is poor tuned. In this Paper we present a Query and Stored Procedures optimization technique to reduce the TempDB load and improve the Overall Production Database Server Performance.