

Re: MS SQL Server 2005 JDBC Driver Performance Issue

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.jdbcdriver/2006-07/msg00021.html>

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 - *Date:* Thu, 13 Jul 2006 16:12:14 -0500
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"Richard Yeo" <RichardYeo@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:9C7EFE49-7DAF-4C21-AE42-1F81DAD0AA30@xxxxxxxxxxxxxxxxxxxx

We are in the process of migrating the application that runs our business from Sybase ASE 12.5.3 to MS SQL Server 2005 SP x64

Our application is a large java application which runs on Redhat Enterprise Linux 4, Tomcat, etc.

We have written a standalone java console application to test the performance of the Microsoft JDBC driver that uses our existing applications database abstraction layer to call a stored procedure that inserts a record into a database table.

Sybase ASE with Sybase JDBC driver = 780 calls per second
SQL Server with MS JDBC driver = 463 calls per second

the difference in performance would appear to be purely down to the JDBC driver as we know SQL server is capable of over 1,100 calls per second using MS ADO let alone ADO.Net 2.0 (which uses Sql server 2005's new native client library).

You haven't gotten there yet. Are the procedure calls wrapped in a transaction? If not then you may just be testing how many physical IO's per second the database server can generate against its log file.

You might use a stored procedure that does no real work to better isolate the driver and network overhead.

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(BTW the new native client SQL Native Client is an unmanged ODBC and OleDb driver, and can be used from ADO. ADO.NET 2.0 uses a different and also new client library).

David