

Re: delete operation blocked by an open select in different CSession

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Rudolf Wiener (r.wiener@xxxxxxxx) writes:

I'm using VC++/VStudio 2003 and MSSQL Server 2000.

I open up two different CSession objects, connecting to the same DB. In CSession 1 I open a CCommand object for reading through the DB. This CCommand stays open throughout the application. The select stmt refers to 3 different tables, using join clauses.

Because I need to delete a record from one of these tables I open up a second CCommand object in a different CSession. This second CCommand issues a SQL 'delete from tableA where fieldA=22'.

The delete hangs and is never finished (well, I waited only for a couple of minutes).

The strange thing is: if I reduce the select stmt of CSession 1 in a way that it refers to 2 tables only, then everything works fine. It does not matter which of the 3 tables I remove from the select stmt. As long as there are only 2 tables involved, the delete won't be blocked.

Here's the select stmt of CSession 1:
select * from tableA join tableB on (fieldA = fieldB) left outer join tableC on (fieldC = fieldB);

and this is the delete oc CSession 2:
delete from tableA where fieldA=22;

You need to make sure that all rows in the SELECT statement makes it your application. There is some buffering, so if the number of rows are small (or maybe rather the number of bytes), you will get away with it without noticing. But if there are unfetched rows, they are locked and you cannot delete them.

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Books Online for SQL Server 2005 at

<http://www.microsoft.com/technet/prodtechnol/sql/2005/downloads/books.msp>

Books Online for SQL Server 2000 at

<http://www.microsoft.com/sql/prodinfo/previousversions/books.msp>

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