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- *From:* "Hari Prasad" <hari_prasad_k@xxxxxxxxxxxx>
 - *Date:* Thu, 23 Nov 2006 21:34:07 -0600
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Thank you Hugo for the information.

FYI, I have asked him to do the NOCHECK when the system is offline (No users are connected) and after the delete activity he can make ALTER statement WITH CHECK. For one of my manual delete (5 million record deletion) I did this and identified a huge performance difference.

Thanks
Hari

"Hugo Kornelis" <hugo@xx> wrote in message <news:55ccm2dgsfvcdo0iogo0oge8j9bvs953c@xxxxxxxxxxx>

On Thu, 23 Nov 2006 02:08:26 -0600, Hari Prasad wrote:

Hi,

This is because of the multiple relationship. While deleting it checks all the relationship. Where as if you execute a SELECT statement for the same query it will be faster. If you can do this during offline you could disable the constraints [See ALTER TABLE WITH NOCHECK] to make the DELETE faster.
Since the number of records is very less it is not required to disable the constraints

Hi Hari,

There are of course two downsides to disabling the constraints:

1. If there is some error in the manual checking process, or some concurrent update after the manual checking, the database may be left in

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an inconsistent state.

2. Even if all checks were made with 100% accuracy, SQL Server doesn't know this, so the constraints are marked as "not trusted" once they are re-enabled. That means that the optimizer can no longer rely on those constraints for considering shortcuts for the query plan, which may result in longer running queries. (Unless you use the WITH CHECK option when the constraints are re-enabled, but in that case you still get the same performance hit, only at a later time).

—
Hugo Kornelis, SQL Server MVP