

## Re: Oracle behaving strangely with multiple commands executing in a tight loop

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<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.adonet/2006-08/msg00027.html>

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Oracle uses MVCC, which is a concurrency scheme within a transaction: if a transaction with DML statements is executed, the transaction can manipulate data without affecting other threads. This means that another command issued could be executed in parallel with the insert and it won't see the inserted data until that transaction is completed.

On SqlServer, the update statement will block till the insert has been completed.

Do you execute the insert and update in a single transaction? If not, could you try to run it in a single transaction?

The issue that we're seeing isn't really a problem with the INSERT INTO and UPDATE that is executed right after it. At least it doesn't seem to be. We have a bunch of validations that are doing an INSERT INTO followed by the update, it appears that they are stepping on one another which is resulting in data not being inserted and rows not being updated. Would we have to execute all commands within a single transaction, or just each individual INSERT INTO/UPDATE combo?

Thanks,  
Steve