

Re: Inserting Multiple Rows

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From: Tibor Karaszi (*tibor_please.no.email_karaszi_at_hotmail.nomail.com*)

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Arsen,

Here's a reply I just posted in -programming in the same topic:

In addition to that [BCP, BULK INSERT, DTS], it might be worth mentioning below two things. In case Jon wants to stick with INSERT statements:

1. Group several INSERT in the same transaction. Each transaction requires an I/O (write to the transaction log). You can cut time, perhaps to some 10% by doing several in the same transaction. Not too many, though. Start with about 1k – 5k and test from there.
2. Group several INSERT in the same batch. Each batch requires a network roundtrip, parsing etc. By batch, I mean what we see as "GO" in Query Analyzer and the method you use in ADO.NET to send the command to SQL Server (each ExecuteNonQuery is a batch, for instance).

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Tibor Karaszi, SQL Server MVP

<http://www.karaszi.com/sqlserver/default.asp>

<http://www.solidqualitylearning.com/>

"Arsen V." <arsen@community.nospam> wrote in message news:%23RPgXNhiEHA.3172@tk2msftngp13.phx.gbl

> Hello,

>

> What is the optimal way to insert multiple rows (around 1000) from a web application into a table?

>

> The user enters multiple lines into a text box (up to 10,000). The ASP.NET application breaks that data into a string array. Each line is an item of that array.

>

> The user clicks Submit.

>

> I want to insert all those lines into a table in SQL Server.

>

> I know that with MySQL 4.00 and newer, I can simply issue the following command:

>

> INSERT INTO Table1 (field1) VALUES ('apple'), ('pear'), ('soda'), ('drink')

>

> This will very quickly insert all those values into Table1.field1.

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>  
> I know that in SQL Server, I can use a BULK INSERT from a file or BCP.  
> However, I need to do the insert from a web application.  
>  
> It is better to create one large SqlCommand with all the insert statements:  
>  
> INSERT Table1 (field1) VALUES ('apple');  
> INSERT Table1 (field1) VALUES ('pear');  
> INSERT Table1 (field1) VALUES ('fruit');  
> INSERT Table1 (field1) VALUES ('drink');  
>  
> and execute it in one shot.  
>  
> Or is it better to execute each insert separatly.  
>  
> Thanks,  
> Arsen  
>  
>
```