

Re: Huge memory consumption of ADODB Connection object

Source: <http://www.tech-archive.net/Archive/Data/microsoft.public.data.ado/2007-11/msg00076.html>

- *From:* "Bob Barrows [MVP]" <reb01501@xxxxxxxxxxxxxxxxx>
 - *Date:* Mon, 26 Nov 2007 21:40:29 -0500
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I would be willing to bet that, with some thought, your complicated rules could be accomplished without a cursor. However, I'm in no position to try to win that bet.

As far as the server-based cursor affecting the Connection object, unless results are being returned to the client via the cursor, there should be no impact on the client from using a server-based cursor in a stored procedure. Additionally, a Connection object is not a "data container", it's more of a conduit between the database and an ADO data-receiver. So I'm unaware of any reason for your problem.

Perhaps you could show us how you call that stored procedure ...

Kevin LZJ wrote:

Hi, Bob,

Thanks for your kind reply.
However, in my case, it's impossible to check whether same data exists only by using "if exists (select ...)", I need to apply some complicated rules for checking data, that's why I use cursor to get each row. My question is: the procedure runs in Sybase Server, why it makes ADODB Connection object consume so much memory (in my understanding, ADODB acts as a client). Moreover, I first must determine this problem come from ADODB (Microsoft), or SYBASE.

"Bob Barrows [MVP]" wrote:

Kevin LZJ wrote:

controlHi all,

I encountered such a problem: ADODB Connection consumes huge memory before it is closed.
I use VB to port some data from EXCEL file into SYBASE

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database.

For some reason, I first convert the EXCEL file to DBASE format,

then

use ADO Data Control to get data from DBASE file, finally,

i use

ADODB to insert data into SYBASE database (using

ADODB provider from

SYBASE corp). The problem is, I use a database stored

procedure

to insert data in

which there is a cursor to check whether same data is

existing. If

the content of cursor is more than 300 items, I found the

memory

used increases greatly (in my case, there are about 600 data

items

in the cursor, causing the memory used up to more than 2GB

and

getting error

for the lack of memory). After some research, I found 2

points :

1). If I delete the cursor from the Stored Procedure, my app uses memory normally.

2). Only when the ADODB connection is closed, can the huge

memory used be freed.

So, my question is: why the ADODB connection object uses

such

huge memory even the stored procedure is running in the

server?

And, how

can I get this problem worked out?

BTW, in my environment, the SYBASE Database Server

also runs on

my laptop as well as the VB app does.

Basically – stop using the cursor in your procedure. It's not necessary. You will need to post this in a Sybase group to get the correct syntax,

but in SQL Server I would do this:

```
IF EXISTS (SELECT * FROM table WHERE ...)
```

```
UPDATE table ...
```

```
ELSE
```

```
INSERT table (...)
```

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