

# Re: ADO Performance

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*Source:*

<http://www.tech-archive.net/Archive/VB/microsoft.public.vb.general.discussion/2006-02/msg01694.html>

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- *From:* "Tomasz Klim" <[tklim-ms@xxxxxxxxxxxxxxxx](mailto:tklim-ms@xxxxxxxxxxxxxxxx)>
  - *Date:* Mon, 20 Feb 2006 14:47:35 +0100
- 

It's really quite strange in my opinion...

a) Is the cursor client or server side?

Honestly, I don't know. But it's default in both programs.

b) Is the cursor type forwardonly, static or dynamic?

Dynamic. But I tried all of these, with similar effects.

I think should be able to break down this bottleneck into two (at least) sections (this will vary a little depending on cursor location):

(1) Find out how long it takes to run the query and get the recordset returned. (I don't think this is going to vary much...)

You're right. Besides, I start to counting time after the query executes.

(2) Find out how long it takes to loop thru the recset – I suspect this is where the hit is...

You're still right.

Further questions:

(c) Are the loops thru the recset identical, you don't have a DoEvents knocking around in any of them do you?

I have DoEvents in both programs, but I disabled it. Also, I removed from the loop everything but oRS.MoveNext, with no change on performance:(

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(d) What are you going when you go through the loop? Updating?

```
Dim dt As Date
....
dt = Now
While Not oRS.EOF
oRS.MoveNext
Wend
MsgBox DateDiff("s",dt,Now)
```

And it's still running slower, than the other program. And this other program is bigger, do more things, and still runs about 2 times faster... I don't understand it, it's quite abnormal IMHO :(

Tomasz Klim wrote:

You're of course right – but note that both programs use the same query,

and one is almost two times faster, than the other.

Are there any interdependencies between internal components of Visual Basic,

COM servers etc.?

Uzytkownik "Gman" <nah> napisal w wiadomosci  
[news:OgPeUOKNGHA.3460@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OgPeUOKNGHA.3460@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

As an aside, SELECT \* will always run slower than specifying the column names since the engine has to figure out what columns are available,

the

order etc.

Further, loading a whole table into a recordset is often necessary if it's a config table or such but if it's a large table you could try

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and  
place some logic on the server side to reduce the execution  
time.

Tomasz Klim wrote:

Yes, both programs use ADO 2.6, the same  
connection strings, the same  
queries, the same options and everything.

Moreover, I created new program, that  
connects do the same database,

and

sends the same query. After traversing the  
loop, it shows the

execution

time: 45 seconds...

I traced both programs using Visual Basic  
debugger and found out, that

both

programes have identical database-related  
variables...

Użytkownik "Saga"  
<antiSpam@xxxxxxxxxxxxxx> napisa³ w  
wiadomości  
[news:%23kIvhRANGHA.3852@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23kIvhRANGHA.3852@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Do both programs use  
ADO?  
The same version of ADO?  
The same connect strings?  
The same open recordset  
statements?  
Any differences in cursor  
location?

Regards  
Saga

"Tomasz Klim"

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<tklim-msNON@xxxxxxxxxxxxxxxxxxxxxx>

wrote in message

news:%23xkPZBANGHA.3100@xxxxxxxxxxxxxxxxxxxxxxxxxx

Hi

I have a  
strange  
question  
about ADO  
performance:

I have a  
program in  
Visual  
Basic 6.0,  
that  
connects to  
Pervasive.SQL  
via  
DSN, and  
then  
executes  
"select \*  
from bd".  
Then, it  
slides  
through  
Recordset:

```
While Not  
oRS.EOF  
' processing  
part  
oRS.MoveNext  
Wend
```

And I have  
another  
program,  
that does  
exactly the  
same (it is  
different in  
many ways,  
but at the  
database  
part, it does  
the same). I  
don't know  
if it's

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important,  
but it's  
much  
bigger, than  
the first  
program.

The  
problem is,  
that the first  
program  
processes  
the table in  
23–24  
seconds,  
while the  
other in  
39–40  
seconds!

I don't  
know,  
what's  
going on – I  
even  
removed  
everything  
except

core

While  
loop with  
oRS.MoveNext  
command. I  
also  
checked the  
.vbp files,  
and  
don't see  
anything  
strange, or  
different  
between  
these files.

Did  
someone  
had such  
problem

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already?