

# Re: Performance problems with OracleDataReader

---

*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.adonet/2007-04/msg00086.html>

---

- *From:* "William \ (Bill) Vaughn" <[billvaRemoveThis@xxxxxxxxxx](mailto:billvaRemoveThis@xxxxxxxxxx)>
  - *Date:* Thu, 5 Apr 2007 08:25:41 -0700
- 

It has to do with how the data in each row is addressed. If you use an ordinal, the addressing is simple to resolve. If not the class has to search the list of columns (each time) and determine if the string provided is a match. It can take 10 times longer to resolve using strings.

---

---

William (Bill) Vaughn  
Author, Mentor, Consultant  
Microsoft MVP  
INETA Speaker  
[www.betav.com/blog/billva](http://www.betav.com/blog/billva)  
[www.betav.com](http://www.betav.com)

Please reply only to the newsgroup so that others can benefit.  
This posting is provided "AS IS" with no warranties, and confers no rights.

---

Visit [www.hitchhikerguides.net](http://www.hitchhikerguides.net) to get more information on my latest book:  
Hitchhiker's Guide to Visual Studio and SQL Server (7th Edition)  
and Hitchhiker's Guide to SQL Server 2005 Compact Edition (EBook)

---

"Henning Fiese" <[henning.friese@xxxxxx](mailto:henning.friese@xxxxxx)> wrote in message  
[news:1175779912.405410.300370@xx](mailto:news:1175779912.405410.300370@xx)

Hi Bill,

thanks for your answer. Im not interested in using DataTables, i just want to copy the contents of the reader to the corresponding member fields of the objects. Using the OracleDataReader's int-indexer instead of the string-indexer doesnt't seem to affect performance at all.

Im just wondering why the access of the OracleDateReader's indexer is so slow. The actual transfer of the data (from the db to the client) is performed within the Read()-method, isn't it? What is happening within those indexers that is so time-consuming?

Best regards

Re: Performance problems with OracleDataReader

Henning

On 4 Apr., 19:02, "William \ (Bill) Vaughn"  
<billvaRemoveT...@xxxxxxxx> wrote:

If the purpose of the code is to build a DataTable, then use  
DataTable.Load  
method.  
Yes, referencing the columns by ordinal is far faster than using strings.  
You might also investigate other data providers. Data Direct has a  
well-respected provider that's supposed to be faster.

--

---

William (Bill) Vaughn  
Author, Mentor, Consultant  
Microsoft MVP  
INETA Speaker [www.betav.com/blog/billvawww.betav.com](http://www.betav.com/blog/billvawww.betav.com)  
Please reply only to the newsgroup so that others can benefit.  
This posting is provided "AS IS" with no warranties, and confers no  
rights.

---

Visit [www.hitchhikerguides.net](http://www.hitchhikerguides.net) to get more information on my latest book:  
Hitchhiker's Guide to Visual Studio and SQL Server (7th Edition)  
and Hitchhiker's Guide to SQL Server 2005 Compact Edition (EBook)

---

"Henning Fiese" <henning.fri...@xxxxxx> wrote in message

[news:1175694990.372432.310140@xx](mailto:news:1175694990.372432.310140@xx)

Hello NG,

I'm using the Oracle Data Access Components and I've  
encountered  
serious performance problems with the OracleDataReader.  
The following  
function fills the memberfields of an object with the content  
of a  
reader:

```
internal void FillFromReader(IDataReader Reader)
{
    m_id = (int)Reader["id"];
    m_name = (string)Reader["name"];
}
```

Re: Performance problems with OracleDataReader

```
// ... ~ 20 more lines of this...  
}
```

Note that the call to Reader.Read() is made outside the function. With the OracleDataReader this function needs an average of 2000 ticks to complete. With the SqlDataReader, it needs only about 150 ticks.

What am I doing wrong? Is this a problem with the configuration of the client or the dbms? Or is there a better way to implement FillFromReader()?

Cheers  
Henning