

Re: garbage collection

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2004-12/3616.html>

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Understood.. so what happens in the following case..

Assume that I have a custom class – call it Events. One of the methods of this class is GetEvents defined/implemented as follows:

```
public function GetEvents(startDate, endDate) as SqlDataReader
    Dim myReader As SqlDataReader
    Dim oConn As SqlConnection

    oConn.Open()
    sql = "select * from events in date range"
    myReader = oConn.ExecuteReader(sql)
    oConn.Close()
    return myReader
end function
```

If an aspx page creates an instance of the Events class and calls the GetEvents method, it will get a reader back.. How can I close the reader defined in the GetEvents method?

BTW: I took a look at the code in the Application Block provided by Msft called SqlHelper. Their code doesnt close the reader either..

Bijoy

"Kumar Reddi" <KumarReddi@REMOVETHIS.gmail.com> wrote in message news:ORFESfh4EHA.4028@TK2MSFTNGP15.phx.gbl...

>

> *First of all, with datareaders, if you do not close the reader after the usage, you can not reuse the connection on which it opened. This is not a garbage collection issue, its a logical error. Garbage collection cleans the resources for you, by doing automatic memory deallocation, but it doesnt close the datareader for you. Thats your job. Also, If your application doesnt allow database connection pooling, you need to dispose your database connection. But, your application seems to be using the connection*

pooling,

> so you do not have to worry. By the way, the reason you need to call
dispose

> on database connection is, it is unmanaged object. GC can not clean the
> unmanaged resources for you

> --

> Kumar Reddi

> <http://kumarreddi.blogspot.com>

>

> "Bijoy Naick" <b_naick@yahoo.ca> wrote in message

> news:uTRytYh4EHA.1564@TK2MSFTNGP09.phx.gbl...

>> Just wondering if anyone has experienced any issues with garbage
> collection

>> in .net. We developed an application using VB .NET; many of the pages
made

>> db calls.

>>

>> One of the developers forgot to close the connection(s) and DataReader

>> objects. We found that once the site recieved a large number of hits,
the

>> server died on us and memory usage was ridiculously high. Since that,

> we've

>> closed all the connections and datareaders and the app works great..

>>

>> Should the .NET GC not have managed all of this for us?

>>

>> BTW: I know its good coding practice to close everything you open.. but

> just

>> wondering IF GC does this or not..

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>> Bijoy

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