

RE: gridview databind timeout

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.adonet/2006-09/msg00388.html>

- *From:* Gerhard <acsia@xxxxxxxxxxxxxxxxxxx>
 - *Date:* Mon, 18 Sep 2006 16:42:01 -0700
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There is a further piece of data I found testing. Not only does it time out on the databind, a simple action like clicking the + sign on a navigation tree takes 30 seconds after the initial load (normally instantaneous). It all works fine up to 80000 records, but at 100000 it goes screwy. Even if I change the proc and return only the top 5 rows... Am I simply running into a memory barrier with all the encryption that requires swapping out to the hard disk or something?

"Gerhard" wrote:

Thanks. Answers follow. Please let me know if you need more data. The table this is hitting has over 100,000 rows (no problem with it when it is under 20,000). The wierd part is that first time through the code it works fine (comes back in about 3 seconds), but times out the second time through with a much smaller result set.

Timeout is the default value (30 seconds I believe).

Times out on Me.GridView1.DataBind() in the Page_LoadComplete event.

Text of the function that contains the DataBind is:

```
Protected Sub Page_LoadComplete(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.LoadComplete
```

```
'This gets the filter from the Master page for the alpha buttons
If Trim(Me.txtQry3.Text) = "" Then Me.txtLastName.Text =
CType(Master.FindControl("txtSelectFilter"), TextBox).Text
If Trim(Me.txtQry4.Text) = "" Then Me.txtOrganizationName.Text =
CType(Master.FindControl("txtSelectFilter"), TextBox).Text
```

```
Try
Me.GridView1.DataBind()
If Me.GridView1.Rows.Count < 1 Then
CType(Master.FindControl("pnlDetailResults"), Panel).Visible
= False
Else
```

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```
Me.FormView1.DataBind()  
End If  
SetSubjectID()  
  
Catch ex As Exception  
lblError.Text = ex.Message.ToString  
End Try  
  
End Sub
```

The Stored Procedure (with some of the encryption keys removed) is:

```
ALTER PROCEDURE [dbo].[ssp_SearchSubjects_Get_Subjects]  
@SubjectType INT, -- 0 for all, 1 for persons, 2 for organizations  
@FirstName NVARCHAR(128),  
@LastName NVARCHAR(128),  
@MiddleName NVARCHAR(128),  
@OrganizationName NVARCHAR(128),  
@Address1 NVARCHAR(128),  
@Address2 NVARCHAR(128),  
@City NVARCHAR(128),  
@State_Province NVARCHAR(128),  
@PostalCode NVARCHAR(128),  
@CountryID INT -- 0 returns all Countries  
AS
```

```
OPEN SYMMETRIC KEY xxxxx  
DECRYPTION BY CERTIFICATE xxxxx;
```

-- Note the views (vw_xxxx) decrypt the encrypted values, for example
ISNULL(CONVERT (nvarchar(50), DecryptByKey(EncryptedFirstName)), N")

```
SELECT  
dbo.SearchSubject.SearchSubjectID,  
dbo.vw_PersonName.LastName + ', ' + dbo.vw_PersonName.FirstName + ' ' +  
isnull(dbo.vw_PersonName.MiddleName, '') AS Name,  
ISNULL(dbo.vw_IDNum.IDNumber, 'NONE') AS IDNum,  
'Person' AS Type,  
isnull(dbo.vw_Address.Address1, '') AS Address1,  
isnull(dbo.vw_Address.Address2, '') AS Address2,  
isnull(dbo.vw_Address.City, '') AS City,  
isnull(dbo.vw_Address.State_Province, '') AS State_Province,  
isnull(dbo.vw_Address.PostalCode, '') AS PostalCode,  
isnull(dbo.vw_Address.CountryID, 0) AS CountryID,  
0 as JobStatusID  
FROM dbo.SearchSubject INNER JOIN  
dbo.vw_Person ON dbo.SearchSubject.PersonID = dbo.vw_Person.PersonID INNER  
JOIN  
dbo.vw_PersonName ON dbo.vw_PersonName.PersonID = dbo.vw_Person.PersonID
```

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```
LEFT JOIN
dbo.vw_IDNum ON dbo.vw_IDNum.PersonID = dbo.vw_Person.PersonID LEFT JOIN
dbo.Person_mm_Address ON dbo.Person_mm_Address.PersonID =
dbo.vw_Person.PersonID LEFT JOIN
dbo.vw_Address ON dbo.Person_mm_Address.AddressID = dbo.vw_Address.AddressID
WHERE ISNULL(dbo.vw_PersonName.LastName, "") LIKE @LastName AND
ISNULL(dbo.vw_PersonName.FirstName, "") LIKE @FirstName AND
ISNULL(dbo.vw_PersonName.MiddleName, "") LIKE @MiddleName AND
ISNULL(dbo.vw_Address.Address1, "") LIKE @Address1 AND
ISNULL(dbo.vw_Address.Address2, "") LIKE @Address2 AND
ISNULL(dbo.vw_Address.City, "") LIKE @City AND
ISNULL(dbo.vw_Address.State_Province, "") LIKE @State_Province AND
ISNULL(dbo.vw_Address.PostalCode, "") LIKE @PostalCode
ORDER BY 2
```

CLOSE SYMMETRIC KEY xxxxx

"Kevin Yu [MSFT]" wrote:

Hi,

I'd like to query some information on this issue for a better research. How long have you set the timeout value to? And after how long did the timeout exception thrown? Please step into the code to see which line blocks the execution.

Also could you show me some of your code and the stored procedure?

Thanks!

Kevin Yu
Microsoft Online Community Support

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