

RE: WebPart Personalization Blob Deserialize Error

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet.webcontrols/2007-07/msg000>

- *From:* Tom John <tdjohn@xxxxxxxxxxxxxx>
 - *Date:* Wed, 4 Jul 2007 01:28:00 -0700
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Steven

Thanks for you reply. I can see where you are going with this, however what we're trying to do is way simpler. We're using the standard provider and everything's working fine for the regular webpart customization scenario.

However, we are working on some utilities to provide the webmaster, one of which needs to search the properties of the webparts on a page for certain string values. So I want to desterialize the blob into the object graph and iterate through the properties.

There is an article that suggests this has been achieved before, however it does not tell the full story on how to do it:

http://dotnetjunkies.com/WebLog/teund/archive/2005/03/08/WebPartManager_Storage.aspx

Hope this makes it a little clearer?

Thanks

Tom John

"Steven Cheng[MSFT]" wrote:

Hi Tom,

From your description, you're writing your custom code to load binary data from ASP.NET webpart personalization database and deserialize againstit, however,you're encountering some error on it , correct?

Based on my understanding, it is only when you developing a custom personalization provider or customize the existing one will you need to deal with the underlying binary data blob's load & store. So are you developing your custom webpart personalization provider?

If you're customizing the default SQL personalization provider or also use the same database, you can have a look at the built-in provider's code

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implementation on how to retrieve the binary blob from database. Here is the code I picked from reflector (of the SqlPersonalizationProvider class)

```
=====
private byte[] LoadPersonalizationBlob(SqlConnection connection, string
path, string userName)
{
    SqlCommand command;
    if (userName != null)
    {
        command = new
        SqlCommand("dbo.aspnet_PersonalizationPerUser_GetPageSettings", connection);
    }
    else
    {
        command = new
        SqlCommand("dbo.aspnet_PersonalizationAllUsers_GetPageSettings",
        connection);
    }
    this.SetCommandTypeAndTimeout(command);
    command.Parameters.Add(this.CreateParameter("@ApplicationName",
    SqlDbType.NVarChar, this.ApplicationName));
    command.Parameters.Add(this.CreateParameter("@Path",
    SqlDbType.NVarChar, path));
    if (userName != null)
    {
        command.Parameters.Add(this.CreateParameter("@UserName",
        SqlDbType.NVarChar, userName));
        command.Parameters.Add(this.CreateParameter("@CurrentTimeUtc",
        SqlDbType.DateTime, DateTime.UtcNow));
    }
    SqlDataReader reader = null;
    try
    {
        reader = command.ExecuteReader(CommandBehavior.SingleRow);
        if (reader.Read())
        {
            int length = (int) reader.GetBytes(0, (long) 0, null, 0, 0);
            byte[] buffer = new byte[length];
            reader.GetBytes(0, (long) 0, buffer, 0, length);
            return buffer;
        }
    }
    finally
    {
        if (reader != null)
        {
            reader.Close();
        }
    }
    return null;
}
```

}

=====

Also, here are some other reference on building custom personalization provider:

<http://msdn2.microsoft.com/en-US/library/aa479037.aspx>

<http://msdn.microsoft.com/msdnmag/issues/05/09/WebParts/>

Hope this helps.

Sincerely,

Steven Cheng

Microsoft MSDN Online Support Lead

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