

Re: Can images be saved to Session State and retrieved?

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2005-08/msg01779.html>

- *From:* "charliwest" <charliwest@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 10 Aug 2005 12:16:07 -0700
-

Vijay,

First, thanks a ton for your help. This has not been fun i know. I've managed to figure it out thanks to you. I don't know what i was trying to do before so your comments are all well taken, but i've just followed what you've suggested. There's still one thing i cannot do, but it's no longer an issue: I can now pull the image from the db, and save to the session state, as well as convert to a bitmap. But i still cannot pull the image from the session state object and convert to bitmap. there's clearly something that i'm missing... here's how my code that works looks:

```
//Retrieve Image from database
string strCmd = String.Format("SELECT Image FROM mClient WHERE (ClientId = "
+ Session["iClientId"].ToString() + ")");
using (SqlConnection cn = utils.GetConnection())
{
    cn.Open();
    SqlCommand Sqlcmd = new SqlCommand(strCmd, cn);
    byte[] bytImg = (byte[])Sqlcmd.ExecuteScalar();

    //Creating memory stream with the raw image data
    System.IO.MemoryStream MemStrm = new System.IO.MemoryStream(bytImg, true);
    MemStrm.Write(bytImg, 0, bytImg.Length);

    //creating bitmap with the memory stream
    Bitmap bmp = new Bitmap(MemStrm);
    MemStrm.Close();

    myData = bytImg;

    cn.Close();
}
```

Thanks agian!

"Vijay" wrote:

Re: Can images be saved to Session State and retrieved?

> Hi Charlie,
>
> Okay I thought I had explained that, must have missed it somewhere.
> here is the code to retrieve the image from the database.
> Assuming that the column in the database table is defined as Image [image]
> NULL in the table "Table1".
>
>

> //Retrieve Image from database
> string strCmd = String.Format("SELECT Image FROM Table1 WHERE id = '1'",
> SqlCommand Sqlcmd = new SqlCommand(strCmd, sqlConn);
>
> byte[] bytImg = (byte[])Sqlcmd.ExecuteScalar();
>
> //Store retrieved image in session
>
> Session.Add("RawData",bytImg)
>
> //Creating memory stream with the raw image data
> System.IO.MemoryStream MemStrm = new System.IO.MemoryStream(bytImg, true);
> MemStrm .Write(bytImg, 0, bytImg.Length);
>
> //creating bitmap with the memory stream
> Bitmap bmp = new Bitmap(MemStrm);
> MemStrm.close();
>
>

> Hope this helped.
>
> Regarding your code, I think you are missing something.
> Firstly you created a byte array "RawData" filled it with the contents of
> the dataset, where the col name was Imagesize. ->Now why is the image size a
> byte? and why is it stored in the database? (okay giving you that you need
> the image size)
> Secondly you created a memory stream from another col of the dataset which
> seems to be the Image. ->the image if stored in the database (in bytes)
> should be retrieved to the byte array and then put into a memory stream.
> Next you have used the file stream to read the "Rawdata" which now contains
> the Image Size. -> why do you need a file stream to read the byte array? also
> the byte array contains the image size!
> lastly you are storing the image size (RawData) in the session ->assuming
> you need the file size in the session, so what happened to the image in byte
> form which was to be stored in the session? and which was in the memory
> stream?
>
> I understand what you want, but your code seems wrong or probably I am
> missing something.
> anyway try the code I gave you.
> --

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> --Vijay R
>
>
> "charliwest" wrote:
>
>> Vijay,
>>
>> First, i really appreciate your help sticking with this. I think i'm almost
>> there, but the examples i find (and that you provide) assume i pull the image
>> directly from the Web Form, and save the image to the Session State, and
>> then, pull the image from the session state. Where and how does the database
>> fit in?
>>
>> I've been trying to do the following with zero luck:
>>
>> byte[] RawData = new
>> byte[Convert.ToInt32(ds.Tables["Client"].Rows[0]["ImageSize"])];
>> MemoryStream stream = new MemoryStream(ds.Tables["Client"].Rows[0]["Image"],
>> FileMode.Open, FileAccess.Read);
>> Fs.Read(RawData, 0, Convert.ToInt32(Fs.Length));
>> Fs.Close();
>> Session["ImageByte"] = RawData;
>>
>> And then....
>>
>> Byte[] RawData = new byte[Convert.ToInt32(Session["ImageSize"].ToString())];
>> MemoryStream stream = new MemoryStream(RawData, true);
>> stream.Write(RawData, 0, RawData.Length);
>> Bitmap bmp = new Bitmap(stream);
>> stream.Close();
>>
>> This is really going nowhere... i really am not catching how this conversion
>> between images, bytes and bitmaps is working....
>>
>> If you could provide any insight on how the image is somehow saved to the a
>> session state var directly from the database, and how this is read from a
>> session state var... (which i think you've already provide in a former
>> response) that would be frankly amazing...
>>
>> thanks,
>>
>> "Vijay" wrote:
>>
>>> Hi Charlie,
>>>
>>> I wanted to ask,
>>> How is the bitmap stored in the database? as a Blob or in bytes?
>>> if it is stored in bytes, then I feel that Blob/Image is the better option.
>>>
>>> you can insert the byte array as I mentioned before in the Image field of
>>> the database.

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```
>>> For retrieving and displaying the image, put the byte array into a stream
>>> and then create a bitmap file from the stream.
>>>
>>> -----
>>> MemoryStream stream = new MemoryStream(RawData, true);
>>> stream.Write(RawData, 0, RawData.Length);
>>>
>>> Bitmap bmp = new Bitmap(stream);
>>> stream.close();
>>> -----
>>>
>>> Hope this helped
>>>
>>> ++Vijay R
>>>
>>> "Vijay" wrote:
>>>
>>>> Hi,
>>>>
>>>> I think this should work just for converting the bitmap to a byte stream:
>>>> -----
>>>> FileStream Fs = new
>>>> FileStream(textBox2.Text.Trim(), FileMode.Open, FileAccess.Read);
>>>> byte[] RawData = new byte[Fs.Length];
>>>>
>>>> Fs.Read(RawData, 0, Convert.ToInt32(Fs.Length));
>>>> Fs.Close();
>>>>
>>>> Session.Add("FileData", RawData);
>>>> -----
>>>>
>>>> Now assuming that the file format is always bmp, we have to work on
>>>> converting it back into bmp.
>>>> will work on this :-)
```

>>>> ++Vijay R

```
>>>>
>>>>
>>>>> "charliwest" wrote:
>>>>>
>>>>>> Thanks Vijay,
>>>>>>
>>>>>> As simple as this might sound, it's taking me forever. Could you pls point
>>>>>> me to some sample code?
>>>>>>
>>>>>> The sample code i find, requires that i know the size and file type of the
>>>>>> image (bitmap) in the database, which i might not... I don't seem to find a
>>>>>> sample which is as "simple" as your solution seems to imply.
>>>>>>
>>>>>> thanks
```


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