Subject: HowTo bind StaticImage to SQL
Posted by jerson on Sat, 13 Sep 2014 04:32:38 GMT
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Can someone show me how to bind a SQL3 field to a StaticImage control?

I am able to bind the other fields to controls.  Problem is with StaticImage fed with filename

This is what I have right now

```
TABLE_ (RUN)
 INT_  (REFNO) PRIMARY_KEY AUTO_INCREMENT
 DATE_   (TESTDATE)
 INT_  (MODE)
 INT_  (RADLEVEL)
 INT_  (RADTIME)
 INT_  (RADSP)
 INT_  (COILS)
 STRING_  (IMGFILE ,256)
END_TABLE
```

and this is how I bind them.  gridHist is a SqlArray, siImage is a StaticImage
content in SQL[IMGFILE] is a filename on disk.

```
 History.gridHist.Reset();
 SQL * Select(SqlAll()).From(RUN);
 History.gridHist.SetTable(RUN);
 History.gridHist.AddColumn(TESTDATE,  "TestDate");
 History.gridHist.AddColumn(IMGFILE, "Image File");
 History.gridHist.SetOrderBy(TESTDATE);
 History.gridHist.AddCtrl(RADLEVEL,  History.stRadLevel);
 History.gridHist.AddCtrl(RADSP,  History.stAlarmSP);
 History.gridHist.AddCtrl(RADTIME,  History.stMonTime);
 History.gridHist.AddCtrl(MODE,   History.stMode);
// History.gridHist.AddCtrl(IMGFILE,  History.siImage);   this line does not work
// History.gridHist.WhenCursor = THISBACK(ViewEvent);          If I use this, I do not get the image
corresponding to cursor selection. It is always the first row image.
 History.gridHist.Query();
```

Is there a way to do what I'm trying?

Subject: Re: HowTo bind StaticImage to SQL
Posted by Didier on Sat, 13 Sep 2014 20:26:04 GMT

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Hello Jerson,

To put images in SQL I use this:

```
//=======================================
//         IMAGES
// =======================================
TABLE_(IMAGES)
 INT_ (IMG_ID) PRIMARY_KEY AUTO_INCREMENT
 LONGRAW_(IMG_DATA)
END_TABLE
```

And to update image in sql:

```
 sql * SqlUpdate(IMAGES)(IMG_DATA, SqlBinary( JPGEncoder().SaveString(img) )
).Where(IMG_ID == resId);
```

In fact the image is stored as a string (I don't remember why: it's been 3 years since I wrote this code,  maybe because I export it in XML afterwards

Hope this helps

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Subject: Re: HowTo bind StaticImage to SQL
Posted by jerson on Sun, 14 Sep 2014 03:16:05 GMT
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Hello Didier

Thanks for your help.  I am trying to figure out a way to feed the filename from a SQL.Field to the staticimage control.  The Database holds just the file name.  All other parameters are correctly tied to their respective controls.  The only one that does not work is StaticImage.Set(String _filename).  I suppose it is doing that since it is not an editable class.

If that is not possible, would you know how to get the field value from the cursor position on the sqlarray control?  I could then use the whenevent to update the static control.  Is that possible at all?

regards

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Subject: Re: HowTo bind StaticImage to SQL
Posted by jerson on Mon, 15 Sep 2014 05:58:37 GMT
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I finally found a way to get my image to the control.  Maybe it is crude, maybe there is a better

way to do it, I don't know.  This works for me.

I created a new static image which has the SetData method needed by SqlArray functions.
```
// subclass StaticImage widget to capture the mouse clicks
class JFStaticImage : public StaticImage {
typedef JFStaticImage CLASSNAME;

public:
 virtual void LeftDown(Point p, dword keyflags);

// Callback1  WhenAction;

 JFStaticImage(){};
 void SetData(const Value& data) {String fn=data;  Set(fn);}
};
```

Now, I can simply do this and it works
```
 History.gridHist.AddCtrl(IMGFILE,  History.siImage);
```

Anyone has other ideas, please let me know.  I am eager to learn.

Regards
Jerson

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Subject: Re: HowTo bind StaticImage to SQL
Posted by koldo on Tue, 16 Sep 2014 07:46:35 GMT
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Hello Jerson

Using Set(), do you want to store the file name or the Image?

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Subject: Re: HowTo bind StaticImage to SQL
Posted by jerson on Tue, 16 Sep 2014 08:25:41 GMT
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Hi Koldo

I am just saving a filename to the table.  This filename is fed to StaticImage by binding it with SQL.AddCtrl method.

I realized the StaticImage has no SetData method which is what the Sql.AddCtrl uses to update the image.  So, I encapsulated the StaticImage to provide this method.

Regards
Jerson

Subject: Re: HowTo bind StaticImage to SQL
Posted by koldo on Wed, 17 Sep 2014 06:09:13 GMT
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Hello Jerson

A problem about this is that it is not clear the behavior of SetData(). Should it save the image file name, or the image itself?

In fact, there are already two versions of StaticImage::Set(), one for file name and other for Image data.

A possible solution would be to add a method to indicate what will be the Set() behavior.

Subject: Re: HowTo bind StaticImage to SQL
Posted by jerson on Wed, 17 Sep 2014 10:32:09 GMT
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Hi Koldo

I realized that.  Set has two overloads - Image and String.

Since StaticImage does not expose a SetData method, the SqlArray could not update the control when fed with a filename from the table.

Therefore, I created the SetData method and tied it down to Set(String& filename) and when SetData is fed with a string parameter, it works correctly now.

Regards
Jerson

Subject: Re: HowTo bind StaticImage to SQL
Posted by koldo on Thu, 18 Sep 2014 06:40:19 GMT
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Quote:A possible solution would be to add a method to indicate what will be the Set() behavior.

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