Subject: Image in database
Posted by jibe on Fri, 08 Apr 2011 13:39:41 GMT
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Hi,

Could somebody give me an example on how to put an image in a database, please ?

I suppose that I must use a BLOB for that ? I have an image class, I can show the image in a StaticImage control, but I don't succeed in memorizing it in a database...

Subject: Re: Image in database
Posted by Didier on Fri, 08 Apr 2011 19:10:42 GMT
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Hi jibe,

I use a helper class in one of my apps.

It can be used with the following SQL schema description:
```
// =======================================
//        IMAGES
// =======================================
TABLE_(IMAGES)
 INT_ (IMG_ID) PRIMARY_KEY AUTO_INCREMENT
 INT_ (IMG_HASH)  INDEX
 INT_   (IMG_REFCOUNT) SQLDEFAULT(0) // reference counter
 LONGRAW_(IMG_DATA)
END_TABLE
```

NB: The hash and REFCOUNT are not used yet, they are intended for future devs.

The idea is to have all images in one table and manage references to these images in the other tables:
```
TABLE_(CLUBS)
 INT_   (CLUB_ID) PRIMARY_KEY AUTO_INCREMENT
 STRING_ (CLUB_NUMBER, 10)
 STRING_ (CLUB_NOM, 60)
 STRING_ (CLUB_ALIAS, 10)
 STRING_ (CLUB_ADRESSE, 250)
 STRING_ (CLUB_VILLE, 30)
 INT_   (CLUB_CODE_POSTAL)
 STRING_ (CLUB_NUM_TEL, 20)
 INT_   (CLUB_REF_LIGUE) REFERENCES(LIGUE)
 INT_   (CLUB_LOGO_SMALL_IMGREF)  SQLDEFAULT(-1)    **** IMAGE ****
```

```
INT_  (CLUB_LOGO_BIG_IMGREF)  SQLDEFAULT(-1)   **** IMAGE ****
STRING_ (CLUB_MAIL, 50)
END_TABLE
```

In order to use it you finally need to do something like this:

```
clubsData.CLUB_LOGO_BIG_IMGREF = ImageMgr::addImage(
clubCtrls.imgPresentation.GetImage() );
```

or

```
clubCtrls.imgPresentation.SetData( ImageMgr::getImageString(
clubsData.CLUB_LOGO_SMALL_IMGREF ) );
```

Hope this will be useful for you

File Attachments
1) ImageMgr.tar.gz, downloaded 272 times

Subject: Re: Image in database
Posted by sergeynikitin on Sun, 10 Apr 2011 18:54:01 GMT
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My Image Ctrl

File Attachments
1) EditImage.tar.gz, downloaded 311 times

Subject: Re: Image in database
Posted by sergeynikitin on Sun, 10 Apr 2011 18:55:36 GMT
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And Test program for EditImage

File Attachments
1) EditImageTest.tar.gz, downloaded 318 times

Subject: Re: Image in database
Posted by jibe on Mon, 11 Apr 2011 07:10:08 GMT
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Hi,

Thanks to the 2 of you

I'll see that and let you know...

Subject: Re: Image in database
Posted by jibe on Mon, 11 Apr 2011 09:16:25 GMT
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It works !

I did it a simplest way than Didier : why do you put your images in a different table ? Is it better in all cases - and if so why ? - or it was just for your application ?

@sergeynikitin : Thanks for your very interresting sample, but my goal was to save the image in a database, not in a file Anyway, I think that I'll learn a lot with your code and I'm happy that you share it

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Subject: Re: Image in database
Posted by Didier on Wed, 13 Apr 2011 21:08:23 GMT
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Hi Jibe,

There are two reasons why I put all images in one table:
* keeping them out of the other tables keeps from having to load them when manipulating database records and so speeds up things
* The same image can be used by more than one record.

NB: In my code all the images are stored in jpg format in order to gain disk space but if you are trying to save images with trasnparency you have to store them in gif format

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Subject: Re: Image in database
Posted by sergeynikitin on Thu, 14 Apr 2011 06:46:28 GMT
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jibe wrote on Mon, 11 April 2011 13:16It works !

@sergeynikitin : Thanks for your very interresting sample, but my goal was to save the image in a database, not in a file Anyway, I think that I'll learn a lot with your code and I'm happy that you

share it

Put EditImage in folder under MyApps

EditImageTest contain example to store image in DataBase (with use EditImage control to view and add image).
You can use EditImage as Ctrl in Layout Designer.

EditImageTest contain commented example of storing images to and loading images from BLOB field of database.

Subject: Re: Image in database
Posted by jibe on Fri, 15 Apr 2011 07:28:59 GMT
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Hi,

Didier wrote on Wed, 13 April 2011 23:08Hi Jibe,

There are two reasons why I put all images in one table:
* keeping them out of the other tables keeps from having to load them when manipulating database records and so speeds up things
* The same image can be used by more than one record.
Yes, you're right : it's often better to do this way...

Didier wrote on Wed, 13 April 2011 23:08NB: In my code all the images are stored in jpg format in order to gain disk space but if you are trying to save images with trasnparency you have to store them in gif format
Yes, of course ! Gif or PNG

sergeynikitin wrote on Thu, 14 April 2011 08:46EditImageTest contain example to store image in DataBase (with use EditImage control to view and add image).
Sorry, I did not see that   I'll look more attentively and test : it looks very interresting