Subject: PostgreSQL and binary data
Posted by Kajko on Thu, 12 Mar 2009 00:05:07 GMT
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Hi,

Can anyone tell me/give me example code of how to store/read binary data from PostgreSQL and what type of field is needed.
Data size will vary from 50k to 5MB.

Thanks,
Sasa

Subject: Re: PostgreSQL and binary data
Posted by phirox on Thu, 12 Mar 2009 10:23:26 GMT
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You can just use the data field name BLOB or LONGRAW in your schema. These are both of the type 'bytea' in pgsql. And can be filled with a normal String in upp. Since Strings can contain any raw data(including '\000') this shouldn't provide any problem.

Subject: Re: PostgreSQL and binary data
Posted by unodgs on Thu, 12 Mar 2009 19:45:22 GMT
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Kajko wrote on Wed, 11 March 2009 20:05Hi,

Can anyone tell me/give me example code of how to store/read binary data from PostgreSQL and what type of field is needed.
Data size will vary from 50k to 5MB.

Thanks,
Sasa
I use..

```
String ToBytea(const String& s)
{
 size_t rl;
 PostgreSQLSession &pses = (PostgreSQLSession &) SQL.GetSession();
 unsigned char *sb = PQescapeByteaConn(pses.GetPGConn(), (const byte *) ~s, s.GetLength(),
&rl);
 String k(sb, rl + 16);
 PQfreemem(sb);
 return k;
```

}

to save binary data. Of course field type in database is also bytea.
For example:

```
SQL & ::Insert(DESCRIPTION_PICTURE)
 (DESCRIPTION_ID, id)
 (DESCRIPTION, data.desc)
 (BIG_PICTURE, ToBytea(encoder.SaveString(data.oryginal)))
 (SMALL_PICTURE, ToBytea(encoder.SaveString(data.resized)));
```

Subject: Re: PostgreSQL and binary data
Posted by Kajko on Mon, 16 Mar 2009 12:15:44 GMT
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Works
thank you all very much.

Sasa

Subject: Re: PostgreSQL and binary data
Posted by marroyo on Tue, 12 Jan 2010 19:29:10 GMT
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How can I to save and load binary data (png images) with postgresql?

I can save (i think) but I can't load.

Thanks in advance.

Subject: Re: PostgreSQL and binary data
Posted by mirek on Thu, 14 Jan 2010 16:03:50 GMT
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Situation has improved a bit, you now have this option:

```
SQL * Insert(IMAGE)(DATA, SqlBinary(imagedata));
```

For loading, you do not have to do anything. Just fetch it to String.