Subject: Application crashes when connected to MySQL, what am I doing wrong?
Posted by Giorgio on Thu, 03 Sep 2015 15:07:50 GMT
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Hi there,
I have been learning ultimatepp for a couple of weeks now, so I am kinda of a noob. My application communicates with a MySQL server. Usually I create a connection to the server each time I need data. I put each query in a separate method. The code goes like this:

```
void MyApplication::MyQuery1()
{
 MySqlSession session;
 if(session.Connect("Userfoobar", "secret", "mydb","192.168.1.1",3306))
 {
  SQL = session;
  SqlSchema sch(MY_SQL);
  All_Tables(sch);
  SQL.ClearError();
  try {
   //Here's my query
                    int ritorno = Select(SqlSum(N_BOB))
   .From(PEZZATURE)
   .Where( COMM == ~dlgSceltaPezzature.strLav3A );

  } catch(SqlExc &err) {
   Cerr() << "ERROR: " << err << "\n";
   ErrorOK("Problem retrieving data: " + session.GetLastError());
   SetExitCode(1);
  }
 }
 else {
  ErrorOK("Connection to the db failed: " + session.GetLastError());
  SetExitCode(1);
 }
}
```

Note that the connection is not closed, but this has been worked well for me.

Today I experienced some unexpected crashes of my application. After some investigation, I noticed that the problem happens when pressing a specific button. This button executes some instructions including two different calls to two procedures similar to the one above, let's call them Myquey1 and Myquery2. If I comment out one of the two procedures, the application does not crash. Is not important which one I comment out, the important is that only one of the procedures is called, if I call both the application crashes. So, to me, the problem is not the procedure itself.

I thought that the problem was the fact that I do not close the connection, so I added the following

line in each procedure:

if(session.IsOpen()) { session.Close(); }

but the problem is still there.

Could someone help me on this?
Regards,
Giorgio

Subject: Re: Application crashes when connected to MySQL, what am I doing wrong?
Posted by Giorgio on Thu, 10 Sep 2015 06:24:34 GMT
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I managed to fix that. The problem was that I opened a new connection on each procedure. I just moved the code for opening the connection on the GUI_APP_MAIN and scraped from the procedure and the problem was solved. Not sure why this made the application crash, though.

Subject: Re: Application crashes when connected to MySQL, what am I doing wrong?
Posted by mirek on Mon, 14 Sep 2015 06:33:09 GMT
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```
void MyApplication::MyQuery1()
  //Here's my query
                int ritorno = Select(SqlSum(N_BOB))
  .From(PEZZATURE)
  .Where( COMM == ~dlgSceltaPezzature.strLav3A );
```

Not that this is not correct. This is not executing query, just creates Select structure and converts it to bool (->true -> 1).

You should use something like

```
void MyApplication::MyQuery1()
  //Here's my query
                int ritorno = my_sql_session % Select(SqlSum(N_BOB))
```

```
.From(PEZZATURE)
.Where( COMM == ~dlgSceltaPezzature.strLav3A );
```

Anyway, as for your original problem, hard to say what was causing the issue. Technically, creating session for each query should work. However, it is not a good idea at all, usually creating (and destroying) session takes certain amount of time, so it is ineffective.

As 90% of applications work with just single SQL backend, we have that global SQL session support....

Mirek
