Subject: MySqlSession::EnumTables -> why uppercase?
Posted by nicomesas on Tue, 12 Sep 2006 12:46:24 GMT
View Forum Message <> Reply to Message

Hi
I'm develop a small test on MySQL and I get the table names with the function MySqlSession::EnumTables. Well it's work fine, but I have seen that in the code the names of the tables change to uppercase. (line 169 on MySql/MySql.cpp)

```
Vector<String> MySqlSession::EnumTables(String database)
{
 Vector<String> out;
 Sql cursor(*this);
 if(cursor.Execute("show tables from " + database))
  out = FetchList(cursor, true);
 return out;
}
```

Soon attempt to make a SELECT on a table (that I have created with another application in windoz) and it select nothing:
I see the session.GetLastError() "skorg_dsrllo_v3.ACTIVIDADES' doesn't exist".

It is rare because the table ' actividades' if it exists, but in lower case. I suppose that this in windoz is no problem because the system is case-insensitive, but not in linux.

I am in the certain thing? I am mistaken? Perhaps I am the only person whom it likes to write the names of the tables in lower case in MySQL?

Good, I propose to so change line 169 of the file MySQL/MySQL.cpp that it so preserve the names of the tables and as the adminstrator decided at its moment.

Nico

Subject: Re: MySqlSession::EnumTables -> why uppercase?
Posted by mirek on Tue, 12 Sep 2006 13:01:10 GMT
View Forum Message <> Reply to Message

Interesting. I always thought that in SQL, all identifiers are case insensitive.

Mirek

Subject: Re: MySqlSession::EnumTables -> why uppercase?
Posted by nicomesas on Tue, 12 Sep 2006 13:25:01 GMT
View Forum Message <> Reply to Message

I also believed it, but I read in a magazine few days ago there was an error of security in MySQL, by means of which a remote user could create an equal data base to another existing one as long as he used a different capitalization, and this problem did not exist now in Windows because his file system is case-insensitive.

This means that if db exists one called "anything" a malicious user could create a call "AnyThing".

I have been several years working with MySQL in Windows and it had never had problems of this type, but with the same DB in Linux, if I have a called table 'actividades' and do one "SELECT * FROM ACTIVIVADES" says to me that the table does not exist. This did not happen in Windows, I think.

It excuses my English so bad one.

Nico

Subject: Re: MySqlSession::EnumTables -> why uppercase?
Posted by mirek on Tue, 12 Sep 2006 13:32:00 GMT
View Forum Message <> Reply to Message

Actually, as MySQL uses separate file for each table, named the same as the table, it seems to make the sense.

Well, try this (MySql.cpp)

```
Vector<String> MySqlSession::EnumTables(String database)
{
 Vector<String> out;
 Sql cursor(*this);
 if(cursor.Execute("show tables from " + database))
  out = FetchList(cursor, false); //<< Here is the change
 return out;
}
```

(When the author of MySql interface code is available once again, I will ask him what he meant by uppercasing these names

Mirek

Subject: Re: MySqlSession::EnumTables -> why uppercase?
Posted by nicomesas on Tue, 12 Sep 2006 13:42:21 GMT

Thanks, I finish it proving and works perfect.
Nico