



27th-30th May

PERUGIA 2017 HACKFEST



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Enhancement - Mysql native connector extension

Add automatic reconnect to server capability in connector code after idle timeout



BASIC IDEA & MY SOLUTION

- =====
- After the connection, if is not established, then an exception is thrown.
 - Detect that exception.
 - Create a function that implements a timeout of reconnection.
 - The trigger of this function is the exception itself.



```
    int main(){
//conn param
    con = d->connect(connection_properties);
hostname="kaisersource";
username"postgres";
password="ax331eh";

try{

    conProp ["OPT_CONNECT_TIMEOUT"] = 40;
    con.reset(d->connect (hostname, username, password));
    con->setClientOption("OPT_RECONNECT", &rec);
    con->setSchema(db);
```

```
}catch(Exception e){
    //cout << "exception "<< e << '\n';
}
}
```

```
connection_test.cxx [+]
```

13,46-53

20%

```
#include <cppconn/statement.h>
#include <cppconn/prepared_statement.h>
```

```
std::string host_name;
std::string user_name;
std::string password;
std::string database_name;
bool rec = true;
```

```
sql::ConnectOptionsMap connection_properties;
sql::Driver *driver;
boost::shared_ptr <sql::Connection> con;
boost::shared_ptr <sql::Statement> stmt;
boost::shared_ptr <sql::ResultSet> res;
boost::shared_ptr <sql::PreparedStatement> pstmt;
```

```
con header test.hxx [+]
```

19,1

87%

```
[con_header_test.hxx]
```



**For further details about source code
check the repo**

[github -> Kaisersource-> DB Reconnection](#)

Thanks!

