
Subject: Patch: Reconnecting PostgreSQL Automatically on Unstable Networks
Posted by [zsolt](#) on Tue, 27 Apr 2010 17:21:06 GMT

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After a network connection problem or coming back from suspend, it is convenient for your users to reconnect your app to the server automatically.

I did not want to write a lot of code dealing with this problem, so I patched PostgreSQL classes.

Using this patch PostgreSQL classes reconnect to the server on connection problems. They try to reconnect only once and not within transactions.

In void PostgreSQLSession::ExecTrans(const char * statement) change the rowresult = PQexec(conn, statement);

```
to for(int i=0; i<2; i++){
    result = PQexec(conn, statement);
    if(level==0 && !ConnectionOK())
        if(!ReOpen()) return;
        else continue;
    break;
}
```

and in bool PostgreSQLConnection::Execute() change the row result = PQexecParams(conn, query, 0, NULL, NULL, NULL, NULL, 0);

```
to for(int i=0; i<2; i++){
    result = PQexecParams(conn, query, 0, NULL, NULL, NULL, NULL, 0);
    if(session.level==0 && !session.ConnectionOK())
        if(!session.ReOpen()) return false;
        else continue;
    break;
}
```
