

## Ryzom - Bug # 868

|   |  |                  |                   |
|---|--|------------------|-------------------|
| <b>Status:</b>  | Closed   | <b>Priority:</b> | Normal            |
| <b>Author:</b>  | kerozcak   | <b>Category:</b> | Services: General |
| <b>Created:</b>   | 05/10/2010   | <b>Assignee:</b> | kervala           |
| <b>Updated:</b>   | 03/01/2011   | <b>Due date:</b> |                   |
| <b>Subject:</b>   | 0:Invalid account (2101) error caused by Shard Unifier Service and MySQL |                  |                   |
| <b>Description</b>  |  |                  |                   |
| <p>After some time of server inactivity, shard unifier service disconnects from mysql and doesn't reconect which results with an error while trying to log in.</p> <p>WRN b78a36b0 mysql_wrapper.cpp 212 query vigo/SU-0 : Mysql error : MySQL server has gone away<br/>WRN b78a36b0 mysql_wrapper.cpp 213 query vigo/SU-0 : in query 'SELECT user_id, user_name, current_char, current_session, current_activity, current_status, public_level, account_type, content_access_level, description, lang, cookie, current_domain_id, add_privileges FROM ring_users WHERE user_id = '1" :</p> <p>One way to fix it, would be to add auto reconnect in the code.<br/><a href="http://blog.taragana.com/index.php/archive/how-to-enable-disable-auto-reconnect-in-mysql/">http://blog.taragana.com/index.php/archive/how-to-enable-disable-auto-reconnect-in-mysql/</a></p> |  |                  |                   |
| <b>Related issues:</b>  |  |                  |                   |
| duplicated by Ryzom - Bug # 1141: SU: mysql server has gone away  |  | <b>Rejected</b>  | <b>10/26/2010</b> |

### History

#### #1 - 05/10/2010 03:26 pm - RichardGreen

This might not be an issue in Ryzom Core, this might be MySQL itself. If you look in mysql\_wrapper.cpp at line 192 ( CConnection::query function) you can see that CR\_SERVER\_GONE\_ERROR is explicitly checked as a result from mysql\_query\_real for and the connection is reopened (line 195). The warnings that you can see are after the attempted reconnection and the query has again failed with the server going away.

Also the code MYSQL\_OPT\_RECONNECT is in admin\_service.cpp (line 651) so a quick patch could move that code into mysql\_wrapper.cpp.

Rich Green

(Also this might be totally wrong as its 5min investigation while at work on a break :))

#### #2 - 05/15/2010 06:25 pm - rti

I once solved such an issue like that:

```
bool validate() {
    if(mysql_ping(&m_mysql) != 0) {
        if(!mysql_real_connect(&m_mysql,
            DB_HOSTNAME, DB_USERNAME, DB_PASSWORD, DB_DBNAME, 0, NULL, 0)) {
            return false;
        }
    }
    return true;
}
```

```
// then to query
if(validate()) {
```

```
mysql_real_query(...);  
}
```

**#3 - 05/18/2010 08:10 pm - Kane**

What do you guys considering fixing or modifying? MySQL or the Server?

**#4 - 05/19/2010 11:11 am - kerozcak**

- *File mysql\_wrapper.diff added*

Quick fix, but it seems to work well.

**#5 - 02/14/2011 08:42 pm - molator**

I have tested kerozcak's fix, it's fine.

**#6 - 02/22/2011 08:51 pm - sfb**

- *Target version set to Version 0.8.0*

**#7 - 02/28/2011 01:53 pm - kerval**

- *Status changed from New to Assigned*

- *Assignee set to kerval*

**#8 - 02/28/2011 01:55 pm - kerval**

- *Status changed from Assigned to Resolved*

- *% Done changed from 0 to 100*

Applied in changeset r1382.

**#9 - 02/28/2011 01:55 pm - kerval**

Thanks a lot kerozcak for the patch :)

**#10 - 03/01/2011 10:50 am - kerval**

- *Status changed from Resolved to Closed*

**#11 - 03/01/2011 04:57 pm - Naush**

Hi,

I don't really understand the reason why you drop the mysql compatibility <5.0 ?

What in this patch is superior to debug the actual reconnection method ?

Regards

**#12 - 03/01/2011 05:02 pm - kerval**

Naush wrote:

*Hi,*

*I don't really understand the reason why you drop the mysql compatibility <5.0 ?*  
*What in this patch is superior to debug the actual reconnection method ?*

*Regards*

If you have a better proposition, please provide a patch :)

**#13 - 03/01/2011 05:07 pm - kerozcak**

Naush wrote:

*Hi,*

*I don't really understand the reason why you drop the mysql compatibility <5.0 ?*  
*What in this patch is superior to debug the actual reconnection method ?*

*Regards*

AFAIK there was no reconnecting at all before this patch.

**#14 - 03/01/2011 07:50 pm - Naush**

*If you have a better proposition, please provide a patch :)*

A proposition yes, a patch certainly not !

Producing this patch will result in a big amount of time for Q&A, and I don't want to spend hours just for a single line of code :)

Also the following point is still open :

- mysql\_real\_query API have changed ?
  - Yes, Google return the same implementation from various project
  - No, Mysql documentation is clear, return !=0 , form 3.23 up to 5.5
- Mysql 3.23 API have automatic reconnection by default ( Slack9.0 & RH6.2 )

So the problem is mysql\_real\_query have never returned a mysql\_errno().

It's just returning 0 if OK, -1 on 3.23 and 1 on 5.x

Adding : `result = mysql_errno(_MysqlContext);` before `if(CR_SERVER_GONE_ERROR)` is working out of the box.

Happy Testing :p

**Files**

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mysql\_wrapper.diff

983 Bytes

05/19/2010

kerozcak