Subject: (BUG+FIX) SQL error with getData and complex SELECT statements
Posted by janalwin on Wed, 24 May 2006 14:19:25 GMT
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I have a logdatabase and I needed to create a report grouped by date. So I put together the sql down below:

```
$inner_sql_select = "count(event) AS eventaantal, event, datumtijd, DATE_FORMAT(datumtijd, '%d-%m-%Y')  AS datum, DATE_FORMAT(datumtijd, '%Y-%m-%d') AS datum_groupby";
$inner_sql_from   = "log " .
 'LEFT JOIN naamnummers ON log.naamnummers_id = naamnummers.naamnummers_id' .

$inner_sql_where = NULL;

$inner_sql_orderby="log.datumtijd DESC";
$inner_sql_groupby="datum_groupby, event ";
```

This didn't work because when the getData function of mysql.dml.class.inc tries to establish the total number of rows it uses count(*) and than the row 'datum_groupby' which is used in 'groupby' doesn't exist.

I solved it by changing the way to get the total number of rows

I changed the code in this way. (Old code is commented out)

```
// count the rows that satisfy this query
        //$this->query = "SELECT count(*) FROM $from_str $where_str $group_str $having_str";]
 //$this->numrows = $this->getCount($dbname, $tablename, $this->query);

// CHANGES BY JADJ
 $this->query = "SELECT SQL_CALC_FOUND_ROWS $select_str FROM $from_str $where_str $group_str $having_str LIMIT 1";

 if (!$result = mysql_query($this->query, $this->dbconnect)) {
                trigger_error($this, E_USER_ERROR);
        } // if
 // Get num rows.
 if (!$result = mysql_query("SELECT FOUND_ROWS()", $this->dbconnect)) {
                trigger_error($this, E_USER_ERROR);
        }
 $total = mysql_fetch_row($result);
```

```
$this->numrows=$total[0];


// END adjustment  JANALWIN
```

SQL_CALC_FOUND_ROWS is introduced in mysql 4.0. It makes that FOUND_ROWS() returns all records of the previous query without the LIMIT.

It's an efficient alternative for count(*) and can be used in more circumstances than COUNT(*).

It might be a good idea to adjust the getCount method/function instead od doing it in the getData method. But I'm a bit afraid it might break some other code.

PS Adjustment is done in the code of the sample app that was online before RADICORE was introduced. I looked at the source of RADICORE and it seems to be the same.

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