
Subject: dml_updateSelection

Posted by [stephenboey](#) on Sat, 10 Feb 2007 12:30:06 GMT

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Not sure if this is a bug.

I have some business logic in `_cm_pre_insertRecord ($rowdata)`

Tried to do update statement like

```
'UPDATE '. $table .' SET rgt=rgt+2 WHERE rgt>='. $parent_rgt;
```

So, I did:

```
$where_parent_rgt = 'rgt>='. $parent_rgt;
```

```
$replace_parent_rgt = 'rgt=rgt+2';
```

```
_dml_updateSelection ($where_parent_rgt, $replace_parent_rgt);
```

Apparently, the method keeps updating rgt to 0 for the affected records.

When I tested with

```
$replace_parent_rgt = 'rgt=12';
```

all affected records were updated correctly with rgt = 12.

Seems like `_dml_updateSelection` is not able to deal with expressions with operators.

Is this a bug? If it is not, do you currently have a function that allows me to do the above in the framework?

Subject: Re: dml_updateSelection

Posted by [AJM](#) on Sat, 10 Feb 2007 15:54:05 GMT

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The reason why this is failing is that when I construct the sql UPDATE statement I put quotes around all the values, so instead of producing "rgt=rgt+2" I get "rgt='rgt+2'", and when you try to put a string into a number MySQL replaces it with zero.

The solution is relatively simple. Go to the `updateRecord()` method in file 'dml.mysql.class.inc' and where you see

```
// build update string from non-pkey fields
```

```
$update = "";
```

```
foreach ($fieldarray as $item => $value) {
```

```
    // use this item if it IS NOT part of primary key
```

```
    if (!in_array($item, $this->primary_key)) {
```

```
        if (is_null($value) or strtoupper(trim($value)) == 'NULL') {
```

```

        // null entries are set to NULL, not " (there is a difference!)
        $update .= "$item=NULL,";
    } else {
        // change to the new value
        $update .= "$item=" .mysql_real_escape_string($value, $this->dbconnect) .", ";
    } // if
} // if
} // foreach

```

you should change it to the following:

```

// build update string from non-pkey fields
$update = "";
$pattern = '/(integer|decimal|numeric|float|real)/i'; <*** NEW
foreach ($fieldarray as $item => $value) {
    // use this item if it IS NOT part of primary key
    if (!in_array($item, $this->primary_key)) {
        if (is_null($value) or strtoupper(trim($value)) == 'NULL') {
            // null entries are set to NULL, not " (there is a difference!)
            $update .= "$item=NULL,";
new**> } elseif (preg_match($pattern, $fieldspec[$item]['type'], $match)) {
new**>     // do not enclose numbers in quotes (this also allows 'value=value+1'
new**>     $update .= "$item=$value,";
        } else {
            // change to the new value
            $update .= "$item=" .mysql_real_escape_string($value, $this->dbconnect) .", ";
        } // if
    } // if
} // foreach

```

Check if this works OK for you and I'll include this change in the next release.

Subject: Re: dml_updateSelection
 Posted by [stephenboey](#) on Sun, 11 Feb 2007 20:47:30 GMT
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alrite, tested and it is working