
Subject: v 1.35 - Relationship Calculated Field Escaping

Posted by [ljkbrost](#) on Thu, 01 May 2008 05:22:46 GMT

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Hi,

When creating a relationship with a calculated field, such as:

```
CONCAT(employee_fname, " ", employee_lname) AS employee_name
```

Below is the output of the exported dictionary definition:

```
// parent relationship details
$this->parent_relations[] = array(
    'parent' => 'pay_employee',
    'parent_field' => CONCAT(employee_fname, \" \", employee_lname) AS employee_name,
    'employee_title',
    'fields' => array('employee_id' => 'employee_id'));
```

When the framework executes the SQL for the calculated field it complains about the extra \" \" quotes.

Looking at the code in `dict_table_s02.class.inc` the problem is the `addslashes(...)` function call. It is doing something good but has the unintended consequences of breaking things.

I have played around with the various `stripslashes`, `addslashes`, and `mysql_escape_string` functions to see if I could create a patch for this but I was unable to.

A solution that does work for my case is to change the exterior single quotes to double quotes, change my SQL to use single quotes, and remove the `addslashes(...)` call. Unfortunately this will break it in the case where the SQL uses double quotes.

Another iteration on a solution would be to remove the `addslashes(...)`, trust the input is valid:

- 1) If there are single quotes in the SQL use double quotes in the template.
- 2) If there are double quotes in the SQL use single quotes in the template.
- 3) If there are mixed quotes in the SQL, don't accept the input.

It would be a real nice to have if there was a way to qualify the SQL before actually saving it. I think this would be very difficult to do and increase the code complexity quite a bit.

Sorry I don't have a patch for this issue. I think it's going to have to be a policy rule versus something software can enforce.

Cheers,

Kyle Brost

www.softelephant.com

Subject: Re: v 1.35 - Relationship Calculated Field Escaping

Posted by [AJM](#) on Thu, 01 May 2008 09:15:15 GMT

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The problem is that your CONCAT function contains double quotes around the space character instead of single quotes. In standard SQL a single-quoted string is taken for a value while a double quoted string is taken as a field name. That is why you get the error message - unknown column '' in 'field list'

Change those double quotes to single quotes, export the table definition, then try running it again. It should not fail this time.

Subject: Re: v 1.35 - Relationship Calculated Field Escaping

Posted by [ljkbrost](#) on Thu, 01 May 2008 14:18:33 GMT

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Hi Tony,

I thought that I did make the change and still had the problem. Re-tested it today and it works with the single quotes. Sorry for the confusion.

Kyle Brost
