Subject: override auto rdcaccount\_id clause in a manually extended SQL Posted by gpatti on Sun, 19 Apr 2009 15:07:05 GMT

View Forum Message <> Reply to Message

Tony,

In a \_cm\_getInitialDataMultiplefunction within a table class I have manually extended \$this->sql\_from and \$this->sql\_where to include data from a second table to achieve some desired functionality. Both the tables include the rdcaccount\_id column.

I'm using getData\_raw to retrieve the data.

Unfortunately this is now generating an ambiguous reference to rdcaccount\_id (the table name is not explicitly stated in the generated SQL).

Can you give me a pointer to resolve this please?

Thanks,

Graham

Subject: Re: override auto rdcaccount\_id clause in a manually extended SQL Posted by AJM on Sun, 19 Apr 2009 22:36:34 GMT

View Forum Message <> Reply to Message

When you say "ambiguous reference" what exactly do you mean? What is the generated statement?

Subject: Re: override auto rdcaccount\_id clause in a manually extended SQL Posted by gpatti on Sun, 19 Apr 2009 23:37:20 GMT View Forum Message <> Reply to Message

The error message displayed is: Fatal Error: MySQL error: 1052 - Column 'rdcaccount\_id' in where clause is ambiguous (# 1052).

It's because I am joining to a 2nd table, and both tables contain rdcaccount\_id, but the generated SQL has "AND rdcaccount\_id in ('1', 'n')" as part of the WHERE clause. It would need to have "AND table\_name.rdcaccount\_id IN.."

Let me know if you need further info on how I have actually set up the \$where clause, although the rdcaccount\_id reference is being automatically added to the where clause by the framework. I can't see how I can change it.

Graham

Subject: Re: override auto rdcaccount\_id clause in a manually extended SQL Posted by AJM on Mon, 20 Apr 2009 09:25:40 GMT

View Forum Message <> Reply to Message

Could you provide a copy of the actual SQL statement that was generated? I need to see exactly what the problem is.

Subject: Re: override auto rdcaccount\_id clause in a manually extended SQL Posted by gpatti on Mon, 20 Apr 2009 12:51:38 GMT

View Forum Message <> Reply to Message

Because the error crashes the system the SQL is not written out to the log file. However, the following is written out to the screen:

Fatal Error: MySQL error: 1052 - Column 'rdcaccount\_id' in where clause is ambiguous (# 1052).

SQL query: SELECT SQL\_CALC\_FOUND\_ROWS \* FROM exam, candidate WHERE exam.candidate\_id = candidate.candidate\_id AND candidate.active\_ind = 'Y' AND candidate.exam\_ind = 'Y' AND session\_id = '12' AND branch\_id='F' AND rdcaccount\_id IN ('1', '7') ORDER BY exam.session\_id, exam.syllabus\_type\_id, exam.branch\_id

Error in line 466 of file 'C:\xampp\includes\dml.mysgli.class.inc'.

The transaction is an ADD4 pattern.

Please let me know if there is any further info I need to provide.

Graham

Subject: Re: override auto rdcaccount\_id clause in a manually extended SQL Posted by AJM on Mon, 20 Apr 2009 15:03:18 GMT

View Forum Message <> Reply to Message

You need to modify the contents of the getData() and getData\_raw() methods in your version of 'std.table.class.inc' so that the lines containing

```
$account_id_string = "rdcaccount_id='1"";
- and -
$account_id_string = "rdcaccount_id IN ('1', '$account_id')";
are changed to include the table name, as in:
$account_id_string = "$this->tablename.rdcaccount_id='1'";
- and -
$account_id_string = "$this->tablename.rdcaccount_id IN ('1', '$account_id')";
```

Let me know if this solves your problem.

Subject: Re: override auto rdcaccount\_id clause in a manually extended SQL Posted by gpatti on Mon, 20 Apr 2009 15:59:24 GMT

View Forum Message <> Reply to Message

That has resolved the crash due to the ambiguous reference, but I'm not getting the expected results now. However, that's more likely to be my coding! I'm going to spend some time testing and will get back to you if I require further assistance.

Thanks for your help resolving the initial problem.

Graham

Subject: Re: override auto rdcaccount\_id clause in a manually extended SQL Posted by gpatti on Mon, 20 Apr 2009 16:46:12 GMT View Forum Message <> Reply to Message

Of course it WAS my coding - my SQL is a bit rusty and I was getting a cartesian product across the two tables. I needed to specify manually a join between the rdcaccount\_id on each table. Everything working perfectly now.

Thanks again.

Graham

Subject: Re: override auto rdcaccount\_id clause in a manually extended SQL Posted by gpatti on Tue, 21 Apr 2009 12:57:53 GMT

View Forum Message <> Reply to Message

I am doing regression testing prior to releasing this change into my production environment and have come across a side effect. I'm not sure yet whether this is because my original code was not robust, or whether the change to std.table.class.inc has introduced a bug.

I have a couple of LIST1 transactions from which I make a selection before navigating to a child form. The child form access a table for which rdcaccount\_id is part of the primary key (but the initial table does not use rdcaccount\_id as it is shared data), and with the updated std.table.class.inc the error message

Primary key (rdcaccount\_id) is not complete - check selection

is displayed.

Any ideas?

Subject: Re: override auto rdcaccount\_id clause in a manually extended SQL Posted by AJM on Tue, 21 Apr 2009 13:15:56 GMT

View Forum Message <> Reply to Message

Are you saying that the table accessed by the child task is not the same as the table accessed by the LIST1 task? And that the child table contains rdcaccount\_id as part of its primary key while the LIST1 table does not?

Subject: Re: override auto rdcaccount\_id clause in a manually extended SQL Posted by gpatti on Tue, 21 Apr 2009 13:34:54 GMT

View Forum Message <> Reply to Message

Yes. I get the feeling you're gonna tell me that's not a good idea!

Subject: Re: override auto rdcaccount\_id clause in a manually extended SQL Posted by AJM on Tue, 21 Apr 2009 13:45:17 GMT

View Forum Message <> Reply to Message

I'm just conducting a test with my development environment and I can see where this error is being generated. In the 'isPkeyComplete()' method it is looking for an entry with the name 'rdcaccount\_id' and not finding it because it exists as '<tablename>.rdcaccount\_id'. I am in the process of amending my code to deal with both possibilities. I will upload the fix shortly.

Subject: Re: override auto rdcaccount\_id clause in a manually extended SQL Posted by AJM on Tue, 21 Apr 2009 14:11:09 GMT

View Forum Message <> Reply to Message

The attached file contains all the updates which will be in the next release, plus the fix for your problem. Try it out and see if it works.

## File Attachments

1) radicore-2009-04-21-update.zip, downloaded 1733 times

Subject: Re: override auto rdcaccount\_id clause in a manually extended SQL Posted by gpatti on Tue, 21 Apr 2009 15:07:34 GMT

View Forum Message <> Reply to Message

This version solves the problem as described. During testing I found another similar variation, which gave the primary key not complete error. This version solves the error but the transaction behaviour has changed.

The scenario is a LIST1 transaction using a table WITH rdcaccount\_id in the primary key navigating to a LINK transaction linking to a table WITHOUT rdcaccount\_id. The link table itself has rdcaccount\_id and the primary key of the second table as its key.

Previously the form displayed all entries from the secondary table, with the linked rows marked as selected.

Now the form only displays the linked entries, so I've lost the ability to link and unlink entries.

I suspect the problem is as a result of the design of the keys I have used being impacted by the correction in the framework. I was linking to the outer table using ONLY rdcaccount\_id because my application forces that only one entry can exist in the outer table per rdcaccount\_id. I probably need to add another field as key (in fact I have, but didn't make any app changes as it worked ok).

If you think it might still be a bug in the framework please let me know. I'll hold off changing my app till you've had chance to consider it.

Graham

Subject: Re: override auto rdcaccount\_id clause in a manually extended SQL Posted by AJM on Thu, 23 Apr 2009 08:47:44 GMT

View Forum Message <> Reply to Message

I've found the problem. When constructing the SELECT statement for the LINK table it was adding an extraneous

AND < link table > .rdcaccount id='whatever'

to the WHERE clause. By removing it I got it to select the correct records. The attached file contains the fix.

## File Attachments

1) std.table.class.zip, downloaded 1698 times

Subject: Re: override auto rdcaccount\_id clause in a manually extended SQL Posted by gpatti on Thu, 23 Apr 2009 09:16:17 GMT

View Forum Message <> Reply to Message

Excellent thanks. That seems to work fine now.