

Extended Fields - Bug #2242

Message "invalid statement: STR_TO_DATE" when using MS SQL

04 Oct 2013 16:10 - Olivier Houdas

Status:	Incomplete	Start date:	04 Oct 2013
Priority:	Normal	Due date:	
Assignee:	Andriy Lesyuk	% Done:	30%
Category:		Estimated time:	0.00 hour
Target version:		External issue:	
Redmine version:	2.3.x		

Description

I activate Extended Fields 0.2.2 on Redmine 2.3.3.

Our installation of Redmine is on CentOS, uses MS SQL server 2008 and Ruby on rails 2.0.0-p247

When I click on the Calendar tab of a project, I get an internal error, with the following indication in the log:

```
ActiveRecord::StatementInvalid (TinyTds::Error: 'STR_TO_DATE' is not a recognized built-in function name.: EXEC sp_executesql N'SELECT [custom_values].[id] AS t0_r0, [custom_values].[customized_type] AS t0_r1, [custom_values].[customized_id] AS t0_r2, [custom_values].[custom_field_id] AS t0_r3, [custom_values].[value] AS t0_r4, [custom_fields].[id] AS t1_r0, [custom_fields].[type] AS t1_r1, [custom_fields].[name] AS t1_r2, [custom_fields].[field_format] AS t1_r3, [custom_fields].[possible_values] AS t1_r4, [custom_fields].[regex] AS t1_r5, [custom_fields].[min_length] AS t1_r6, [custom_fields].[max_length] AS t1_r7, [custom_fields].[is_required] AS t1_r8, [custom_fields].[is_for_all] AS t1_r9, [custom_fields].[is_filter] AS t1_r10, [custom_fields].[position] AS t1_r11, [custom_fields].[searchable] AS t1_r12, [custom_fields].[default_value] AS t1_r13, [custom_fields].[editable] AS t1_r14, [custom_fields].[visible] AS t1_r15, [custom_fields].[multiple] AS t1_r16, [custom_fields].[is_for_new] AS t1_r17, [custom_fields].[hint] AS t1_r18 FROM [custom_values] LEFT OUTER JOIN [custom_fields] ON [custom_fields].[id] = [custom_values].[custom_field_id] WHERE (custom_fields.field_format = N'date' AND custom_values.customized_type = N'Issue' AND custom_values.customized_id IN (NULL) AND STR_TO_DATE(custom_values.value, '%Y-%m-%d') BETWEEN '09-30-2013' AND '11-03-2013'))
```

Removing the calls to STR_TO_DATE() in /lib/extended_calendars_controller_patch.rb fixes the internal error issue (but it might of course cause other issues, this is not a fix, just a check that the issue lies there and only there).

Associated revisions

Revision 115 - 02 May 2014 13:58 - Andriy Lesyuk

Disabled calendar changes for non-MySQL installations (#2242)

History

#1 - 04 Nov 2013 14:43 - Dean Serenevy

The PostgreSQL backend has the same issue and I solved it in the same way, replaced:

```
STR_TO_DATE(#{CustomValue.table_name}.value, '%Y-%m-%d')
```

with

```
#{CustomValue.table_name}.value
```

in three places.

#2 - 13 Apr 2014 17:21 - Andriy Lesyuk

- Status changed from New to Open
- Target version set to 0.2.3

#3 - 02 May 2014 13:51 - Andriy Lesyuk

- Status changed from Open to In Progress
- % Done changed from 0 to 30

[Dean Sereney](#), [Olivier Houdas](#), FYI: by these changes you loose the ability to see custom field dates on your calendar...

Currently, I have disabled this feature for other adapters than mysql.

#4 - 02 May 2014 13:59 - Andriy Lesyuk

[Olivier Houdas](#), it would be great, if you could test the solution for MS SQL:

1. Create an issue custom field of the Date type.
2. Add some value for this custom field for some issue.
3. Replace `STR_TO_DATE({CustomValue.table_name}.value, '%Y-%m-%d')` with `CONVERT(datetime, #{CustomValue.table_name}.value, 120)`.
4. Restart Redmine.
5. Check, if the date is shown on the calendar.

Use your version of the Extended Fields! Do not update to [r115](#) (it disables calendar changes for MS SQL).

#5 - 02 May 2014 14:02 - Andriy Lesyuk

[Dean Sereney](#), you can help enabling the feature for PostgreSQL! It would be great, actually, if you could:

1. Create an issue custom field of the Date type.
2. Add some value for this custom field for some issue.
3. Replace `STR_TO_DATE({CustomValue.table_name}.value, '%Y-%m-%d')` with `TO_DATE(#{CustomValue.table_name}.value, 'YYYY-MM-DD')`.
4. Restart Redmine.
5. Check, if the date is shown on the calendar.

Use your version of the Extended Fields! Do not update to [r115](#) (it disables calendar changes for PostgreSQL).

#6 - 11 May 2014 22:24 - Andriy Lesyuk

- Status changed from In Progress to Incomplete
- Target version deleted (0.2.3)

#7 - 13 Jun 2014 14:54 - Olivier Houdas

Sorry for the late reply, I haven't received mails with your comments...

I tried what you said, but to no avail:

ActiveRecord::StatementInvalid (TinyTds::Error: 'TO_DATE' is not a recognized built-in function name.: (...)

Thank you for looking at this issue!

#8 - 25 Jun 2014 17:23 - Seung Mun

As mentioned in [#note-5](#), I replaced STR_TO_DATE with TO_DATE, and Redmine Calendar feature is working again. There were 3 lines with STR_TO_DATE in extended_fields/lib/extended_calendars_controller_patch.rb

#9 - 26 Jun 2014 08:15 - Olivier Houdas

I'm afraid, TO_DATE() does NOT exist in MS SQL, so you must be using some other DB or have added that function to your SQL server yourself, Seung.

See <http://www.connectsql.com/2011/04/sql-server-basics-todate-function-in.html> for example.

I've tried CONVERT, value, 120). It does not crash anymore, but it still does not work. In the debug log of Redmine, I get:

```
(...) AND CONVERT(VARCHAR(10), custom_values.value, 120) BETWEEN '05-26-2014' AND '07-06-2014')' (...)
```

So I tried CONVERT, value, 110), but could not get my task set for June 25th 2014 (MyCustomDate=2014-06-25) displayed in the calendar.

I'm using [r115](#) in which I commented if ActiveRecord::Base.connection.adapter_name =~ %r{mysql}i in init.rb

#10 - 26 Jun 2014 15:06 - Seung Mun

Sorry. I forgot to mention that I am using PostgreSQL.

According to http://www.w3schools.com/sql/func_convert.asp, below line should give you **mm-dd-yyyy**

```
CONVERT(VARCHAR(10), #{CustomValue.table_name}.value, 110)
```

style 120 is 'yyyy-mm-dd hh:mi:ss (24h)'