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:				
Redmine version:	2.3.x		**External issue:**	

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 functio
n name.: EXEC sp_executesql N'SELECT [custom_values].[id] AS t0_r0, [custom_values].[customized_ty
pe] 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].[possi
ble_values] AS t1_r4, [custom_fields].[regexp] AS t1_r5, [custom_fields].[min_length] AS t1_r6, [c
ustom_fields].[max_length] AS t1_r7, [custom_fields].[is_required] AS t1_r8, [custom_fields].[is_f
or_all] AS t1_r9, [custom_fields].[is_filter] AS t1_r10, [custom_fields].[position] AS t1_r11, [cu
stom_fields].[searchable] AS t1_r12, [custom_fields].[default_value] AS t1_r13, [custom_fields].[e
ditable] AS t1_r14, [custom_fields].[visible] AS t1_r15, [custom_fields].[multiple] AS t1_r16, [cu
stom_fields].[is_for_new] AS t1_r17, [custom_fields].[hint] AS t1_r18 FROM [custom_values] LEFT OU
TER 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 Serenevy](), [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 Serenevy](), 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)'