

## Redmine - Defect #13385

### Searchable checkbox displayed on edit form for not-searchable custom field formats.

2013-03-07 11:03 - David Leimbach

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jean-Philippe Lang	<b>% Done:</b>	90%
<b>Category:</b>	UI	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.5.0	<b>Affected version:</b>	2.2.3
<b>Resolution:</b>	Fixed		
<b>Description</b>			
When updating a custom field (issue) to be searchable the checked box is not saved.			
To reproduce: go to /custom_fields?tab=IssueCustomField			
Click on field name to edit.			
Click the checkbox next to Searchable.			
Click save.			
Click on field name again to edit.			
Searchable is unchecked but should be checked.			
Environment:			
Redmine version	2.2.3.stable		
Ruby version	1.8.7 (x86_64-linux)		
Rails version	3.2.12		
Environment	production		
Database adapter	MySQL		
Redmine plugins:			
redmine_backlogs	v0.9.36		
redmine_plugin_views_revisions	0.0.1		
redmine_users_xls_impex	0.1.1		

## History

### #1 - 2013-03-08 02:29 - Mischa The Evil

- Status changed from New to Needs feedback
- Assignee set to David Leimbach

Please make sure to test without plugins. This might be an issue with one of them.

### #2 - 2013-03-08 11:17 - David Leimbach

I removed all plugins then restarted apache. The problem still happens.

my rake about

About your application's environment

Ruby version 1.8.7 (x86\_64-linux)

RubyGems version 2.0.0

Rack version 1.4

Rails version 3.2.12

Active Record version 3.2.12

Action Pack version 3.2.12

Active Resource version 3.2.12

Action Mailer version 3.2.12

Active Support version 3.2.12

Middleware Rack::Cache, ActionDispatch::Static, Rack::Lock,

#<ActiveSupport::Cache::Strategy::LocalCache::Middleware:0x7f2fc8dc1848>, Rack::Runtime, Rack::MethodOverride, ActionDispatch::RequestId,

Rails::Rack::Logger, ActionDispatch::ShowExceptions, ActionDispatch::DebugExceptions, ActionDispatch::RemoteIp, ActionDispatch::Callbacks,

ActiveRecord::ConnectionAdapters::ConnectionManagement, ActiveRecord::QueryCache, ActionDispatch::Cookies,

ActionDispatch::Session::CookieStore, ActionDispatch::Flash, ActionDispatch::ParamsParser, ActionDispatch::Head, Rack::ConditionalGet,

Rack::ETag, ActionDispatch::BestStandardsSupport, OpenIdAuthentication

Environment production

Database adapter mysql

Database schema version 20121026003537

### #3 - 2013-03-08 22:47 - Mischa The Evil

- Resolution set to Cant reproduce

David Leimbach wrote:

I removed all plugins then restarted apache. The problem still happens.

[...]

I just tried it on \*.redmine.org, which is running Redmine 2.2.3.stable.11411 on Rails 3.2.12 and Ruby 1.9.3 using SQLite as DB, and wasn't able to reproduce the reported issue. What is in your logs?

### #4 - 2013-03-11 14:30 - David Leimbach

This is my log on save.

Started PUT "/custom\_fields/1" for 10.1.20.1 at Mon Mar 11 16:01:44 +0200 2013  
Processing by CustomFieldsController#update as HTML  
Parameters: {"commit"=>"Save", "custom\_field"=>{"min\_length"=>"0", "default\_value"=>"", "is\_required"=>"0", "is\_for\_all"=>"1", "tracker\_ids"=>["8", "1", "2", "3", "6", "7", ""], "max\_length"=>"0", "searchable"=>"1", "regex"=>"", "is\_filter"=>"1", "name"=>"TFS ID"}, "id"=>"1", "utf8"=>"", "authenticity\_token"=>"cK031SqTPXliqKUh5BbZEUZcY/UEh4PC6TTUwK/4NhU="}  
Current user: davidl (id=3)  
Redirected to [http://projects.\\*\\*\\*\\*\\*.com/custom\\_fields?tab=IssueCustomField](http://projects.*****.com/custom_fields?tab=IssueCustomField)  
Completed 302 Found in 52ms (ActiveRecord: 13.5ms)  
Started GET "/custom\_fields?tab=IssueCustomField" for 10.1.20.1 at Mon Mar 11 16:01:44 +0200 2013  
Processing by CustomFieldsController#index as HTML  
Parameters: {"tab"=>"IssueCustomField"}  
Current user: davidl (id=3)  
Rendered custom\_fields/\_index.html.erb (218.2ms)  
Rendered custom\_fields/\_index.html.erb (1.6ms)  
Rendered custom\_fields/\_index.html.erb (1.6ms)  
Rendered custom\_fields/\_index.html.erb (1.7ms)  
Rendered custom\_fields/\_index.html.erb (10.0ms)  
Rendered custom\_fields/\_index.html.erb (1.6ms)  
Rendered custom\_fields/\_index.html.erb (1.6ms)  
Rendered custom\_fields/\_index.html.erb (1.5ms)  
Rendered custom\_fields/\_index.html.erb (1.6ms)  
Rendered common/\_tabs.html.erb (253.7ms)  
Rendered custom\_fields/index.html.erb within layouts/admin (254.8ms)  
Rendered admin/\_menu.html.erb (11.9ms)  
Rendered layouts/base.html.erb (39.0ms)  
Completed 200 OK in 319ms (Views: 306.6ms | ActiveRecord: 4.1ms)  
Started GET "/custom\_fields?tab=IssueCustomField" for 10.1.20.1 at Mon Mar 11 16:01:44 +0200 2013  
Processing by CustomFieldsController#index as \*/\*  
Parameters: {"tab"=>"IssueCustomField"}  
Current user: davidl (id=3)  
Rendered custom\_fields/\_index.html.erb (78.8ms)  
Rendered custom\_fields/\_index.html.erb (1.9ms)  
Rendered custom\_fields/\_index.html.erb (1.7ms)  
Rendered custom\_fields/\_index.html.erb (1.7ms)  
Rendered custom\_fields/\_index.html.erb (9.8ms)  
Rendered custom\_fields/\_index.html.erb (1.7ms)  
Rendered custom\_fields/\_index.html.erb (1.7ms)  
Rendered custom\_fields/\_index.html.erb (2.0ms)  
Rendered custom\_fields/\_index.html.erb (1.7ms)  
Rendered common/\_tabs.html.erb (115.2ms)  
Rendered custom\_fields/index.html.erb within layouts/admin (116.2ms)  
Rendered admin/\_menu.html.erb (11.5ms)  
Rendered layouts/base.html.erb (39.3ms)  
Completed 200 OK in 180ms (Views: 167.3ms | ActiveRecord: 4.5ms)

It's looking like this problem may be due to one of three plugins that I installed: redmine\_backlogs v0.9.36, redmine\_plugin\_views\_revisions 0.0.1, redmine\_users\_xls\_impex 0.1.1

Unless an answer is apparent from the above log, I'll no require anything further.

### #5 - 2013-03-15 14:26 - David Leimbach

After further testing this bug seems to be related to the format of the custom field. It happens with format integer and no other format that I can tell.

### #6 - 2013-03-15 22:23 - Mischa The Evil

- Subject changed from Custom Field Issue Searchable checkbox check not saved. to Custom fields Searchable checkbox check not saved when

format is integer.

- Status changed from Needs feedback to Confirmed
- Assignee deleted (David Leimbach)
- Resolution deleted (Cant reproduce)

David Leimbach wrote:

After further testing this bug seems to be related to the format of the custom field. It happens with format integer and no other format that I can tell.

You are right. I was finally able to reproduce the issue you have reported on \*.m.redmine.org. It happens indeed only when trying to make a custom field (type isn't relevant) of the integer format searchable. As mentioned, the checkbox value is not saved upon the save-action.

#### #7 - 2013-10-09 04:47 - Mischa The Evil

- Subject changed from Custom fields Searchable checkbox check not saved when format is integer. to Searchable checkbox value not saved with several custom field formats.
- Target version set to Candidate for next minor release

After looking at this a second time I think this is more a UI issue because custom fields of formats integer, float, date and boolean can not be made searchable by explicit design (see [source:/trunk/app/models/custom\\_field.rb@12202#L67](https://source.trunk.app/models/custom_field.rb@12202#L67)). Despite that, the form element is rendered without any exceptions.

In case the design is not going to be changed (considering the custom values of these custom field formats, I think the best solution), this issue can be fixed by just hiding the form element for the appropriate custom field formats with a slight change like for example:

```
Index: app/views/custom_fields/_form.html.erb
=====
--- app/views/custom_fields/_form.html.erb      (revision 12119)
+++ app/views/custom_fields/_form.html.erb      (working copy)
@@ -63,7 +63,9 @@
     <p><%= f.check_box :is_required %></p>
     <p><%= f.check_box :is_for_all %></p>
     <p><%= f.check_box :is_filter %></p>
-    <p><%= f.check_box :searchable %></p>
+    <% unless @custom_field.format_in? 'int', 'float', 'date', 'bool' %>
+      <p><%= f.check_box :searchable %></p>
+    <% end %>
     <p>
       <label><%= l(:field_visible) %></label>
       <label class="block">
@@ -92,7 +94,9 @@
     <% when "ProjectCustomField" %>
       <p><%= f.check_box :is_required %></p>
       <p><%= f.check_box :visible %></p>
-      <p><%= f.check_box :searchable %></p>
+      <% unless @custom_field.format_in? 'int', 'float', 'date', 'bool' %>
+        <p><%= f.check_box :searchable %></p>
+      <% end %>
       <p><%= f.check_box :is_filter %></p>

     <% when "VersionCustomField" %>
```

I haven't tested if this change breaks any existing tests (yet). Are there any functional tests needed?

#### #8 - 2013-10-14 05:33 - Mischa The Evil

- Subject changed from Searchable checkbox value not saved with several custom field formats. to Searchable checkbox displayed on edit form for not-searchable custom field formats.
- Category changed from Custom fields to UI

Mischa The Evil wrote:

[...] Despite that, the form element is rendered without any exceptions.

This actually is a regression introduced in [r10163](https://source.trunk.app/models/custom_field.rb@10163). Before that commit the searchable element was actually hidden from the form when not-searchable custom field formats were selected.

Additionally, looking at [source:/trunk/app/views/custom\\_fields/\\_form.html.erb@10162](https://source.trunk.app/views/custom_fields/_form.html.erb@10162), the searchable element should be hidden for user and version

custom field formats too as these are implemented in [r5272](#) as being not-searchable despite of the fact that they are not explicitly defined as such in [source:/trunk/app/models/custom\\_field.rb@12202#L67](#). At the moment the value of the searchable element is incorrectly saved for user and version custom field formats which gives the impression that these can be searched while they by design can't.

Summary: the patch I posted in note-7 should be:

1. extended to also exclude user and version custom field formats for the searchable form element
2. extended to include a new change to [source:/trunk/app/models/custom\\_field.rb@12202#L67](#) to explicitly define the user and version formats to be not-searchable (this would prevent the actual saving of the value of the searchable element)

I'll work on an updated patch.

#### #9 - 2013-10-15 05:47 - Mischa The Evil

- Assignee set to Mischa The Evil

I started working on patches for this.

#### #10 - 2013-10-18 04:37 - Mischa The Evil

- File `rm13385-do_not_set_searchable_for_user_and_version_cf-trunk_r12224.diff` added
- File `rm13385-do_not_present_searchable_for_not_searchable_cf_formats-trunk_r12224.diff` added
- Assignee deleted (Mischa The Evil)
- % Done changed from 0 to 90

I have fixed both issues that have been discussed in this issue and provide two separate patches (against Redmine trunk @ [r12224](#)) that include these fixes along with corresponding tests.

Mischa The Evil wrote:

[...] At the moment the value of the searchable element is incorrectly saved for user and version custom field formats which gives the impression that these can be searched while they by design can't.

[...]

[...] include a new change to [source:/trunk/app/models/custom\\_field.rb@12202#L67](#) to explicitly define the user and version formats to be not-searchable (this would prevent the actual saving of the value of the searchable element)

[rm13385-do\\_not\\_set\\_searchable\\_for\\_user\\_and\\_version\\_cf-trunk\\_r12224.diff](#)

Mischa The Evil wrote:

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[rm13385-do\\_not\\_present\\_searchable\\_for\\_not\\_searchable\\_cf\\_formats-trunk\\_r12224.diff](#)

As stated, tests (both unit and functional) have been provided and I've made sure that the existing test suite didn't break. Please review these changes and commit them if they are good enough. Otherwise, please let me know what I can do to further improve them.

#### #11 - 2013-10-21 17:31 - Matt McSweyn

Hi Mischa-

I've been watching this ticket because I have been waiting for a fix that will allow these types of custom fields to be searchable. However, it appears that you are "fixing" this so they are not searchable, i.e. removing the "Searchable" element from view and you note that it is by design that they are not searchable. Can you confirm this and if so, can you tell me why these fields should not be searchable?--I would much prefer that they are; I would prefer any custom field we add to be searchable.

Thanks.

#### #12 - 2013-12-15 09:55 - Jean-Philippe Lang

- Target version changed from Candidate for next minor release to 2.5.0

#### #13 - 2013-12-22 15:46 - Jean-Philippe Lang

- Status changed from Confirmed to Closed

- Assignee set to Jean-Philippe Lang
- Resolution set to Fixed

Fixed in 2.5.0.

Matt McSweyn wrote:

can you tell me why these fields should not be searchable?--I would much prefer that they are; I would prefer any custom field we add to be searchable.

Integers, floats and bools are not searchable because it doesn't make much sense to search these values for those that contain a certain string. A better option is to use filters on the issue list for these fields.

Files

rm13385-do_not_set_searchable_for_user_and_version_cf-trunk_r122240.diff	2013-10-18	Mischa The Evil
rm13385-do_not_present_searchable_for_not_searchable_cf_formats_20774.diff	2013-10-18	Mischa The Evil