

Redmine - Defect #12510

Issues PDF export: Spent time/Float-values aren't rounded to 2 digits

2012-12-05 11:39 - Luboš Schrámek

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Go MAEDA	% Done:	0%
Category:	PDF export	Estimated time:	0.00 hour
Target version:	4.0.0	Affected version:	2.6.0
Resolution:	Fixed		
Description Hello, How to simulate problem? <ul style="list-style-type: none">• add Spent time column to issues• modify Spent time in some issue to 2.45• export table to PDF <p>There will be a columns Spent time with 2.45000004768372. I hope there are missing some number format func(), can you please fix this problem? I am making these exports for customers and it looks bad.</p> <p>Thanks.</p>			
Related issues: Related to Redmine - Defect #13780: Spent hours have excessive flaction in PD... Closed Related to Redmine - Defect #28233: IssuesPdfHelperTest fails when run in iso... Closed			

Associated revisions

Revision 17059 - 2017-12-06 15:25 - Go MAEDA

Fix: Round floats to 2 digits when rendering an issue list to PDF (#12510).

Patch by Holger Just and Marius BALTEANU.

Revision 17063 - 2017-12-07 12:46 - Toshi MARUYAMA

svn propset svn:eol-style native test/unit/lib/redmine/export/pdf/issues_pdf_test.rb (#12510)

Revision 17065 - 2017-12-07 13:03 - Toshi MARUYAMA

code clean up IssuesPdfHelperTest (#12510)

- remove extra empty lines
- remove trailing white space
- replace tab to two spaces

Revision 17077 - 2017-12-07 15:28 - Toshi MARUYAMA

add copyright header to test/unit/lib/redmine/helpers/url_test.rb (#12510)

Revision 17212 - 2018-02-24 10:26 - Go MAEDA

Add minimal fixture for issues_pdf_test (#12510).

Patch by Gregor Schmidt.

History

#1 - 2012-12-07 07:07 - fangzheng ()

- File export.pdf added

Mark. Waiting for solution.
BTW, this issue doesn't occur on CSV.

I'm seeing the same problem in Redmine 2.2.1.
In my Database the spent time values is for example 0.1, but the pdf export displays 0.100000001490116.

Maybe this relates to the float_max like [#12680](#)?

- Priority changed from High to Normal

Daniel Felix wrote:

Maybe this relates to the float_max like [#12680](#)?

~~Yes, obviously both bugs (this ticket and [#12680](#)) have the same causation (floating point error):~~

- [illegible]

UPDATE: No. It does not relate to [#12680](#).

- File pdf.patch added

To get pretty float values for spent time and estimated time I created this patch: [/lib/redmine/export/pdf.patch](#)

If the value is empty or zero the pdf cell keeps empty, so you get a better overview on spent and estimated hours.

Could you merge this to redmine?

Please, could you fix this with redmine 2.3?

Filou Centrinov wrote:

UPDATE: No. It does not relate to [#12680](#).

Why not? It seems for me to be again some floating point error, which we've encounter many times in different systems.

Daniel Felix wrote:

Why not? It seems for me to be again some floating point error, which we've encounter many times in different systems.

The difference is: In [#12680](#) the number is too big, so the floating precision can not be provided. In this issue we are within the floating precision, so the correct presentation should be provided.

The problem is internal caused by displaying a value with a higher precision then the value originally had. So 0.1 becomes 0.100000001490116, because the type of variable had a precision of 32bit that allows only 8 positions after decimal point. Therefore this problem can easily fixed by: "%.2f" % value

See: [pdf.rb.patch](#)

In `/lib/redmine/i18n.rb` is a function called `l_hours` to format hours into a value+label string. If this function would'nt be used in `/app/view/issues/show.html.erb` you get the same effect of displayed spent time.

So I hours fixes the same "bug", but with an additional label.

- File pdf.rb.patch added

#12 - 2013-07-15 20:59 - Filou Centrinov

Please fix this. It's a small fix. ... or make it to a candidate.

#13 - 2013-07-16 08:31 - Etienne Massip

- Status changed from New to Confirmed
- Target version set to Candidate for next minor release

I can confirm the defect although I'm not fond of the patch, is it possible to fix every single float value display at once rather than specific attributes?

Edit: confirmed with MRI 1.9.3

#14 - 2013-08-05 09:55 - David Lukas Müller

+1

For the particular issue I've observed that on Redmine 2.3.1 I had the following time entries:

- 3.50h
- 1.25h
- 0.30h (I think I've entered "0:20")

And that is what I see:

- 5.05 with Web User Interface (HTML) --> **good**
- 5.050000011920929 with PDF-Export --> **should be improved**
- "spent_hours":5.050000011920929 with REST API (JSON) using `http://myhost/redmine/issues/1234.json` --> **should be improved**

#15 - 2013-08-05 12:06 - Toshi MARUYAMA

- File `web-edit.png` added

David Lukas Müller wrote:

- 5.05 with Web User Interface (HTML) --> **good**

Web edit form has same problem.



#16 - 2013-08-05 12:09 - Toshi MARUYAMA

You can see by following change.

```
diff --git a/app/views/issues/_attributes.html.erb b/app/views/issues/_attributes.html.erb
--- a/app/views/issues/_attributes.html.erb
+++ b/app/views/issues/_attributes.html.erb
@@ -63,7 +63,7 @@
 <% end %>

 <% if @issue.safe_attribute? 'estimated_hours' %>
-<p><%= f.text_field :estimated_hours, :size => 3, :disabled => !@issue.leaf?, :required => @issue.required_at
tribute?('estimated_hours') %> <%= l(:field_hours) %></p>
+<p><%= f.text_field :estimated_hours, :size => 6, :disabled => !@issue.leaf?, :required => @issue.required_at
tribute?('estimated_hours') %> <%= l(:field_hours) %></p>
 <% end %>

 <% if @issue.safe_attribute?('done_ratio') && @issue.leaf? && Issue.use_field_for_done_ratio? %>
```

#17 - 2014-10-29 15:35 - Holger Just

- File `0001-Round-floats-to-2-digits-when-rendering-an-issue-lis.patch` added

The attached patch (which was extracted from [Planio](#)) fixes this issue for all float values in table cells. This patch thus addresses the concerns of Etienne above.

The patch works against current trunk but should apply similarly to earlier versions. The used method is the one used in the `QueriesHelper#column_value` method and thus should produce results similar to it.

#18 - 2014-10-29 15:39 - Jan from Planio www.plan.io

- Assignee set to Jean-Baptiste Barth

In case you were still looking for easy fixes :)

#19 - 2014-11-02 23:07 - Jean-Baptiste Barth

- Affected version changed from 2.1.2 to 2.6.0

I do :) First I'll try to add some tests to this part of the code but no pb I'll merge it after.

#20 - 2016-12-19 17:17 - Olivier Houdas

Tested on 3.3.1, still occurs.

#21 - 2017-11-15 14:38 - S. Ruttloff

Problem still exists in Redmine 3.3.2, but could fix it here:
/lib/redmine/export/pdf/issues_pdf_helper.rb

Search for

```
if value.is_a?(Date)
  format_date(value)
elsif value.is_a?(Time)
  format_time(value)
else
  value
end
```

and replace by

```
if value.is_a?(Date)
  format_date(value)
elsif value.is_a?(Time)
  format_time(value)
elsif value.is_a?(Float)
  sprintf "%.2f", value
else
  value
end
```

#22 - 2017-11-27 01:47 - Marius BĂLTEANU

- File 0001-Round-floats-to-2-digits-when-rendering-an-issue-lis_r17037.patch added

- File before.png added

- File after.png added

- Assignee deleted (Jean-Baptiste Barth)

Tested on current trunk ([r17037](#)) and the issue still occurs.

I've updated the patch from Holger Just to apply cleanly. I think that we can fix this issue in the next release.

Before:

before.png

After:

after.png

#23 - 2017-12-05 08:54 - Mischa The Evil

We might want some test coverage added if there isn't any yet, as Jean-Baptiste already suggested.

#24 - 2017-12-05 23:18 - Marius BĂLTEANU

- File deleted (0001-Round-floats-to-2-digits-when-rendering-an-issue-lis_r17037.patch)

#25 - 2017-12-05 23:20 - Marius BĂLTEANU

- File 0001-Round-floats-to-2-digits-when-rendering-an-issue-lis_r17055.patch added

Mischa The Evil wrote:

We might want some test coverage added if there isn't any yet, as Jean-Baptiste already suggested.

Attached an updated patch that contains the fix and a test strictly for this scenario. On top of this patch, we can add more tests in the future to improve the coverage.

#26 - 2017-12-06 00:30 - Mischa The Evil

- Subject changed from *Issues PDF export - Spent time to Issues PDF export: Spent time/Float-values aren't rounded to 2 digits.*

- Target version changed from *Candidate for next minor release* to *4.1.0*

Thanks Holger and Marius.

#27 - 2017-12-06 07:43 - Marius BĂLTEANU

- File deleted (0001-Round-floats-to-2-digits-when-rendering-an-issue-lis_r17055.patch)

#28 - 2017-12-06 07:43 - Marius BĂLTEANU

- File 0001-Round-floats-to-2-digits-when-rendering-an-issue-lis_r17055.patch added

I had a typo in my previous patch.

Maybe we can deliver this fix earlier than Redmine 4.

#29 - 2017-12-06 13:30 - Go MAEDA

Marius, thank you for adding a test. But I encountered the following error. Could you look into it?

```
$ ruby test/unit/lib/redmine/export/pdf/issues_pdf_test.rb
Run options: --seed 32491
```

```
# Running:
```

```
F
```

```
Failure:
```

```
IssuesPdfHelperTest#test_fetch_row_values_should_round_float_values [test/unit/lib/redmine/export/pdf/issues_pdf_test.rb:32]:
```

```
--- expected
```

```
+++ actual
```

```
@@ -1,1 @@
```

```
-"2", "Add ingredients categories", "4.34"]
```

```
+["2", "Add ingredients categories", "0.00"]
```

```
bin/rails test test/unit/lib/redmine/export/pdf/issues_pdf_test.rb:23
```

```
Finished in 0.658523s, 1.5185 runs/s, 1.5185 assertions/s.
```

```
1 runs, 1 assertions, 1 failures, 0 errors, 0 skips
```

#30 - 2017-12-06 14:28 - Marius BĂLTEANU

- File deleted (0001-Round-floats-to-2-digits-when-rendering-an-issue-lis_r17055.patch)

#31 - 2017-12-06 14:32 - Marius BĂLTEANU

- File 0001-Round-floats-to-2-digits-when-rendering-an-issue-lis_r17055.patch added

It should be fine now.

#32 - 2017-12-06 15:31 - Go MAEDA

- Status changed from *Confirmed* to *Closed*

- Assignee set to *Go MAEDA*

- Target version changed from *4.1.0* to *4.0.0*

- Resolution set to *Fixed*

Committed in the trunk ([r17059](#)). Thank you.

#33 - 2017-12-17 06:27 - Toshi MARUYAMA

- Subject changed from *Issues PDF export: Spent time/Float-values aren't rounded to 2 digits.* to *Issues PDF export: Spent time/Float-values aren't rounded to 2 digits*

#34 - 2018-02-22 11:30 - Marius BĂLTEANU

- Related to Defect #28233: *IssuesPdfHelperTest* fails when run in isolation added

#35 - 2018-02-24 10:35 - Go MAEDA

A fix for `issues_pdf_test` was submitted as [#28233](#). I committed the fix in [r17212](#).

Files			
export.pdf	311 KB	2012-12-07	fangzheng (方 Zheng)
pdf.patch	436 Bytes	2013-02-12	Filou Centrinov
pdf.rb.patch	531 Bytes	2013-03-06	Filou Centrinov
web-edit.png	4.52 KB	2013-08-05	Toshi MARUYAMA
0001-Round-floats-to-2-digits-when-rendering-an-issue-lis.patch	739 Bytes	2014-10-29	Holger Just
before.png	79.7 KB	2017-11-27	Marius BĂLTEANU
after.png	63.8 KB	2017-11-27	Marius BĂLTEANU
0001-Round-floats-to-2-digits-when-rendering-an-issue-lis_r17055.patch	221 KB	2017-12-06	Marius BĂLTEANU