

Redmine - Defect #23962

Redmine Out of Memory Exception when exporting issues with lots of columns (> 50) to PDF

2016-09-30 11:13 - Stephane Evr

Status:	New	Start date:	
Priority:	High	Due date:	
Assignee:		% Done:	0%
Category:	PDF export	Estimated time:	0.00 hour
Target version:		Affected version:	3.3.0
Resolution:			

Description

I was able to reproduce the bug described hereafter on a bitnami vanilla redmine install. This bug makes the server eventually run out of memory, so is quite severe in my opinion.

Environment:

```
Redmine version      3.3.0.stable
Ruby version         2.1.10-p492 (2016-04-01) [x86_64-linux]
Rails version        4.2.6
Environment          production
Database adapter     Mysql2
```

SCM:

```
Subversion           1.9.4
Cvs                  1.12.13
Git                  2.7.4
Filesystem
```

Redmine plugins:

no plugin installed

The bug occurs when trying to export to pdf a list of issues (on the issues page) with a huge amount of columns (around 50 or more). It happens even if there is only 1 issue to export.

To reproduce the bug, you can create around 40 custom fields with a random name (30 chars) / format and assign them to a tracker / project. then create an issue with random content in the fields. Then on the issues page, export to pdf with all columns included.

Because anyway the pdf would not look nice with such big amount of columns, we could perhaps forbid the export if there are too many columns (lets say > 40) selected in the export.

This is what I added to mitigate the error, in app/controllers/issues_controller.rb#index:

```
if params[:format] == 'pdf' && @query.column_names.count > 40
  redirect_to(:back)
  flash[:error] = "Please reduce the amount of columns selected."
  return
end
```

After further investigation, I found the problem to be located in lib/redmine/export/pdf.rb, in the RDMMultiCell method. So it may be due to RBPdf...

Related issues:

Has duplicate Redmine - Defect #28337: Problem when creating PDF with too man...

Closed

History

#1 - 2016-09-30 12:47 - Toshi MARUYAMA

- Description updated

#2 - 2016-09-30 12:50 - Toshi MARUYAMA

- Category set to PDF export

#3 - 2016-09-30 12:50 - Toshi MARUYAMA

- Affected version set to 3.3.0

#4 - 2018-03-15 14:53 - Marius BĂLTEANU

- Has duplicate Defect #28337: Problem when creating PDF with too many columns added

#5 - 2018-03-25 10:20 - Jun NAITOH

I could not reproduce this problem.

The procedure I did is as follows. :

1. Create 1 issue with custom field.
2. app/models/custom_field.rb "attr_protected :id" comment out.
http://www.redmine.org/projects/redmine/repository/entry/tags/3.4.4/app/models/custom_field.rb#L38
3. Redmine Restart : touch tmp/restart.txt
4. Create many issue custom fields
You can use this command in the console: (1..60).each { |i|
CustomField.new(IssueCustomField.last.attributes.merge!({:id:nil,name:"testooooooooooooooooooooo-#{i}", is_for_all: true))).save }
5. Go to /issues page
6. Choose to display every columns and apply the filter
7. Try to export to PDF

```
$ ruby bin/about
```

```
sh: darcs: command not found
```

```
sh: bzip2: command not found
```

```
Environment:
```

```
Redmine version      3.4.4.stable
Ruby version         2.1.2-p95 (2014-05-08) [i686-linux]
Rails version        4.2.8
Environment          production
Database adapter     SQLite
```

```
SCM:
```

```
Subversion           1.6.11
Mercurial             1.4
Git                   1.7.12.4
Filesystem
```

```
Redmine plugins:
```

```
no plugin installed
```