

## Redmine - Feature #13317

### Pluggable PDF export engine

2013-02-28 12:22 - Evgeny Seliverstov

<b>Status:</b> New	<b>Start date:</b>
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b> PDF export	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b>	
<b>Resolution:</b>	
<b>Description</b> Redmine could support multiple PDF export engines provided in form of redmine plugins.  Administrator could choose different PDF export engines for different projects or system-wide. The main alternative to the currently used PDF export is a wrapper around <a href="#">wkhtmltopdf</a> - <a href="#">redmine_pdf_wiki</a> plugin. wkhtmltopdf is a PDF renderer that uses an internal qt webkit browser to display provided HTML and to save it to PDF so it looks exactly as the original HTML. I recently fixed <a href="#">redmine_pdf_wiki</a> to work with Redmine 2.x and to replace standard PDF export (monkey patched <a href="#">wiki_page_to_pdf</a> ). I noticed that RFPDF is a plugin and it is already carefully facaded with <code>Redmine::Export::PDF</code> . I think it is relatively easy to support an external PDF export plugin.  Current approach is to issue PDF instructions from a ruby code. It is lightweight and safe solution but when heavy and highly accurate PDFs are needed it could be better to use wkhtmltopdf. It is a native program with several major issues but I hope they will be fixed in future.  Please check an initial discussion with Terence Miller in <a href="#">pull request</a>	
<b>Related issues:</b> Related to Redmine - Defect #8753: PDF export for Hebrew is reversed <span style="float: right;"><b>Closed</b>    <b>2010-07-15</b></span>	

#### History

##### #1 - 2013-03-01 09:13 - Terence Mill

There are plugin which tried to work around this problem but are outdated or imcompatible.  
Howver this a prototypes of possible solution for this issue.

1. [chili\\_pdf](#) is nowards imcompatible with redmine 2.x (worked for redmine 1.x) and uses [wkhtmltopdf](#) and [wicked\\_pdf](#) an a [core patch](#) to solve the problem, see also [chili issue](#)

##### #2 - 2013-03-01 09:14 - Terence Mill

2. [redmine\\_pdf\\_wiki](#) uses also [wkhtmltopdf](#) and needs passenger web server as soution for a recursion que problem and therefore settings to add "PassengerUseGlobalQueue on"

##### #3 - 2014-01-26 19:20 - Ebrahim Mohammadi

Now that [RFPDF is dead](#) and its author is using [Prawn](#), it seems the logical way of fixing many issues with PDF export (such as [#10681](#), [#13781](#) and [#8753](#)) is to migrate to a better, alive PDF rendering engine, maybe Prawn.

This is a grave issue, because is some locales such as Persian (and probably Arabic and Hebrew) the exported PDF is totally garbage and of no use.

##### #4 - 2014-01-30 07:38 - Toshi MARUYAMA

rfpdf is maitaind by NAITOH Jun who is contributor of [#61](#) etc.  
<https://github.com/naitoh/rfpdf>

I want to define rfpdf gem in Gemfile and remove sources from Redmine.

##### #5 - 2014-03-03 21:58 - Ebrahim Mohammadi

Any news/progress?

##### #6 - 2014-05-19 23:24 - Jun NAITOH

I updated rfpdf base version to TCPDF 5.1.002 from 1.53.0.TC031.

## new feature

- RTL (Right-To-Left) languages support was added.
- HTML support improved.

Toshi MARUYAMA wrote:

I want to define rfpdf gem in Gemfile and remove sources from Redmine.

I would like to create rfpdf gem at the end of next month, and to send the PDF patch of Redmine.

**#7 - 2014-06-22 14:34 - Toshi MARUYAMA**

- *Related to Defect #8753: PDF export for Hebrew is reversed added*