

Redmine - Defect #40937

Broken links in exported wiki pages when using child_pages macro

2024-07-05 11:11 - Liane Hampe

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	PDF export	Estimated time:	0.00 hour
Target version:		Affected version:	5.1.3
Resolution:			

Description

Problem

Exporting wiki pages has broken links in pdf and html format when macro `child\_pages` is in use.

PDF Export

- Exporting to **pdf** gives nonexecutable links for child pages. It does not matter if a single page will be exported or all wiki pages at once. A wiki link in contrast (`First-child-page``) is integrated as absolute url to the wiki page in the Redmine instance.

HTML Export

- Exporting a single wiki page to **html** gives relative URLs as child pages links such that `file:///projects/ecookbook/wiki/First-child-page``. In contrast a wiki link to the same page written like so `First-child-page`` gives a link to the page as if it would be stored local too. The link looks like `file://First-child-page.html``.
- Exporting all wiki pages into a single html document behaves as expected. All links are anchors in the document. The user can jump to whatever section she likes. Even the wikis table of content is exported. This is perfect.

How to reproduce?

You can reproduce the behavior by importing the attached patch files and trying the exports as follows:

- PDF: * single page (main page is enough) * all pages (got to **index by title** page first and export then)
- HTML: * single page (both main page and child page) * all pages (got to **index by title** page first and export then)

Reason

The reason for these broken links is the definition of the href variable in the method ApplicationHelper#render_page_hierarchy.

This is the method with Redmine trunk (<https://svn.redmine.org/redmine/trunk@22902>):

```
def render_page_hierarchy(pages, node=nil, options={})
  content = +''
  if pages[node]
    content << "<ul class=\"pages-hierarchy\">\n"
    pages[node].each do |page|
      content << "<li>"
      if controller.controller_name == 'wiki' && controller.action_name == 'export'
        href = "###{page.title}" # <-- problematic definition
      else
        href = {:controller => 'wiki', :action => 'show',
                :project_id => page.project, :id => page.title, :version => nil}
      # <-- problematic definition
      end
      content <<
        link_to(
          h(page.pretty_title),
          href,
          :title => (if options[:timestamp] && page.updated_on
```

```

        l(:label_updated_time, distance_of_time_in_words(Time.now, page.
updated_on))
        else
          nil
        end)
      )
      content << "\n" + render_page_hierarchy(pages, page.id, options) if pages[page.id]
      content << "</li>\n"
    end
    content << "</ul>\n"
  end
  content.html_safe
end

```

Solution (proposal)

PDF Export

Anchor links in a text transformed to pdf by the gem rbpdf do not align with pdf bookmarks. Therefore, I would like to put forward the proposal to integrate child pages links the same way as wiki links, hence, as absolute URL to the Redmine instance wiki page.

This should apply to both single wiki page export and all wiki page export to pdf.

HTML Export

Exporting to a single html page should integrate the link as local link instead which would be the same as for wiki links in a single page export to html.

Fixing Code

The code below will considers these link formats:

```

def render_page_hierarchy(pages, node=nil, options={})
  content = '+'
  if pages[node]
    content << "<ul class='pages-hierarchy'>\n"
    pages[node].each do |page|
      content << "<li>"
      href = if controller.request.format.pdf?
        # absolute link for pdf export of single page or all pages in a single document
        options[:target] = '_blank'
        options[:rel] = 'noopener'
        project_wiki_page_url(project_id: page.project, id: page.title, version: nil)
      elsif controller.params[:format] == 'html' && controller.action_name == 'export'
        # relative link for html export of all pages in a single document
        "##{page.title}"
      elsif controller.params[:format] == 'html'
        # absolute for html export of single page
        "#{h(page.pretty_title)}.html"
      else
        # link handling for rendering pages in UI
        {controller => 'wiki', :action => 'show',
         :project_id => page.project, :id => page.title, :version => nil}
      end
      content <<
        link_to(
          h(page.pretty_title),
          href,
          :target => options[:target],
          :rel => options[:rel],
          :title => (if options[:timestamp] && page.updated_on
            l(:label_updated_time, distance_of_time_in_words(Time.now, page.
updated_on))
          else
            nil
          end)

```

```
    )
    content << "\n" + render_page_hierarchy(pages, page.id, options) if pages[page.id]
    content << "</li>\n"
  end
  content << "</ul>\n"
end
content.html_safe
end
```

The patch file contains also some test changes and additional tests.

I guess older version than 5.1.3 are also affected.

A related issue is: [Feature #22001: PDF export wiki internal link](#).

I would appreciate to discuss my proposal and see a fix coming soon!

History

#1 - 2024-07-05 11:13 - Liane Hampe

When reproducing the issue import the txt files for a wiki example first. After confirming the behavior you can try the patch with these wiki pages to see the difference.

#2 - 2024-10-17 16:42 - popy popy

+1 for this patch

Files

change-href-for-wiki-exports.patch	4.9 KB	2024-07-05	Liane Hampe
First-child-page.txt	2.05 KB	2024-07-05	Liane Hampe
Wiki.txt	5.97 KB	2024-07-05	Liane Hampe