

Rendering of Macros with (empty) text parameter different in preview and non preview mode

2022/05/09 19:05 - Admin Redmine

ステータス:	Confirmed	開始日:	2022/05/09
優先度:	通常	期日:	
担当者:		進捗率:	0%
カテゴリ:	Text formatting_26	予定工数:	0.00時間
対象バージョン:	Candidate for next minor release_33	作業時間:	0.00時間
Redmineorg_URL:	https://www.redmine.org/issues/33432	status_id:	9
category_id:	26	tracker_id:	1
version_id:	33	plus1:	0
issue_org_id:	33432	affected_version:	
author_id:	369008	closed_on:	
assigned_to_id:	0	affected_version_id:	99
comments:	8		

説明

Macros with empty text parameter are rendered differently in preview mode vs. non preview mode.

The preview mode seems to parse the the closing double curly brackets as text parameter and does not stop until the next macros double curly brackets, while the non preview mode parses an empty text parameter.

The sample code below shows demonstrates this with the collapse macro, but it happens for any macro which allows a text parameter and the two attached images.

This might be an issue with a greedy regular expression.

Test code for the bug in Redmine 4.x

```
{{collapse(Collapse 1)}}
```

Above is a empty collapse macro which renders correctly in preview and in wiki view.

```
{{collapse(Collapse 2)
}}
```

Above is a empty collapse macro which renders correctly in wiki view but this text (and the following macro up to its closing curly brackets) will not be visible in preview mode.

```
{{collapse(Collapse 3)
This is a block of text that is collapsed by default.
It can be expanded by clicking a link.
}}
```

Above is a non empty collapse macro which renders correctly in preview and in wiki view.

Test code for the bug in Redmine 4.x

[Collapse 1](#)[Collapse 1](#)

Above is a empty collapse macro which renders correctly in preview and in wiki view.

[Collapse 2](#)[Collapse 2](#)

Above is a empty collapse macro which renders correctly in wiki view but this text (and the following macro up to its closing curly brackets) will not be visible in preview mode.

[Collapse 3](#)

This is a block of text that is collapsed by default.
It can be expanded by clicking a link.

Above is a non empty collapse macro witch renders correctly in preview and in wiki view.

!{width:600px}Redmine%204.x%20preview%20render.PNG!
!{width:600px}Redmine%204.x%20wiki%20render.PNG!

Environment:

Redmine version	4.1.1.stable
Ruby version	2.6.6-p146 (2020-03-31) [x86_64-linux]
Rails version	5.2.4.2
Environment	production
Database adapter	PostgreSQL
Mailer queue	ActiveJob::QueueAdapters::AsyncAdapter
Mailer delivery	smtp
SCM:	
Subversion	1.10.4
Git	2.20.1
Filesystem	

Xitolite 2.20.1

Redmine plugins:

additional	2.0.24-master
redmine_advancedimage	0.0.4
redmine_agile	1.5.3
redmine_checklists	3.1.16
redmine_filelinks	0.0.0
redmine_git_hosting	4.0.2
redmine_latex_mathjax	0.4.0
redmine_lightbox2	0.5.1
redmine_local_avatars	1.0.0
redmine_mentions	1.0.0
redmine_postgresql_search	1.0.6
redmine_recurring_tasks	0.3.4
redmine_reporting	2.0.6
redmine_wiki_lists	0.0.9
redmine_wikiapproval	0.0.0
redmine_wikiforms	0.0.0
redmineup_tags	2.0.8
sidebar_hide	0.0.8-fix

journals

It seems that the line break code is different between preview mode and non-preview mode.
So preview mode doesn't seem to match the regular expression @ApplicationHelper::MACROS_RE@.

preview mode(Linebreak: " /n"). Since the input value is posted via JavaScript, the line break code is replaced from " /r /n" to " /n".

"Test code for the bug in Redmine 4.x /n /n{{collapse(Collapse 1)}} /n /nAbove is a empty collapse macro which renders correctly in preview and in wiki view. /n /n{{collapse(Collapse 2) /n}} /n /nAbove is a empty collapse macro which renders correctly in wiki view but this text (and the following macro up to its closing curly brackets) will not be visible in preview mode. /n /n{{collapse(Collapse 3) /n}} /nThis is a block of text that is collapsed by default. /nIt can be expanded by clicking a link. /n}} /n /nAbove is a non empty collapse macro which renders correctly in preview and in wiki view."

non-preview mode(Linebreak: " /r /n")

"Test code for the bug in Redmine 4.x /r /n /r /n{{collapse(Collapse 1)}} /r /n /r /nAbove is a empty collapse macro which renders correctly in preview and in wiki view. /r /n /r /n{{collapse(Collapse 2) /r /n}} /r /n /r /nAbove is a empty collapse macro which renders correctly in wiki view but this text (and the following macro up to its closing curly brackets) will not be visible in preview mode. /r /n /r /n{{collapse(Collapse 3) /r /n}} /r /nThis is a block of text that is collapsed by default. /r /nIt can be expanded by clicking a link. /r /n}} /r /n /r /nAbove is a non empty collapse macro which renders correctly in preview and in wiki view."

Fixed the regular expression. I think this will solve the problem.

```
diff --git a/app/helpers/application_helper.rb b/app/helpers/application_helper.rb
index bf55e05a5..5bcdca29f 100644
--- a/app/helpers/application_helper.rb
+++ b/app/helpers/application_helper.rb
@@ -1277,8 +1277,8 @@ module ApplicationHelper
  (
    ( /{ /{ # opening tag
      ([ /w]+) # macro name
-    ( /([ /n /r ]*) )? # optional arguments
-    ( /([ /n /r ].*)? ([ /n /r ])? # optional block of text
+    ( /([ /n /r ]*) )? # optional arguments
+    ( /R.*? /R? )? # optional block of text
    ) # closing tag
  )
) /mx unless const_defined?(:MACROS_RE)
```

----- Yuichi HARADA wrote: > It seems that the line break code is different between preview mode and non-preview mode. > So preview mode doesn't seem to match the regular expression @ApplicationHelper::MACROS_RE@. Thank you for posting the patch. But I think the patch needs some fix. I think the following line does not work as expected because the metacharacter @ /R@ cannot be put into @[]@. @[^ /R]@ is actually equivalent to @[^ R]@.

```
( /([ /n /r ]*) )? # optional arguments
```

See the test result below.

```
irb(main):001:0> /[ ^ /n /r ]/ =~ " /n"
=> nil
irb(main):002:0> /[ ^ /R ]/ =~ " /n"
=> 0
irb(main):003:0> /[ ^ /R ]/ =~ "R"
=> nil
```

Go MAEDA wrote:

I think the following line does not work as expected because the metacharacter @ /R@ cannot be put into @[]@. @[^ R]@ is actually equivalent to @[^ R]@.

[...]

See the test result below.

[...]

Thank you for your report.

I confirmed that the negative match @[^ R]@ doesn't work with the line break code.

Fixed the patch.

Attaching test code for the patch.

Setting the target version to 4.0.8.

The actual cause of the problem is that the regular expression expects that there are two line terminators between "macroname{" and "}". The reason why there appears to be no problem when a line terminator is " /r /n" is that " /r" is parsed as the first line terminator and " /n" is parsed as the second line terminator.

So, even after applying the patch attachment:33432-v2.patch, the macro in the following text is not detected in the Preview tab.

```
collapse{{
}}
```

The code below can test it.

Index: test/helpers/application_helper_test.rb

```
=====
-- test/helpers/application_helper_test.rb (リビジョン 19814)
+++ test/helpers/application_helper_test.rb (作業コピー)
@@ -1937,6 +1937,13 @@
     end
   end

+ def test_catch_macros_should_allow_empty_text_block
+   macros = catch_macros+"{{collapse /r /n}}"
+   assert_equal "{{collapse /r /n}}", macros[0]
+   macros = catch_macros+"{{collapse /n}}"
+   assert_equal "{{collapse /n}}", macros[0]
+ end
+
+ private

+ def wiki_links_with_special_characters
```

履歴

#1 - 2022/05/10 17:00 - Admin Redmine

- カテゴリ を Text formatting_26 にセット

- 対象バージョン を Candidate for next minor release_33 にセット