

Redmine - Defect #37394

commonmarker gem is marked optional but required at runtime

2022-07-09 17:41 - Mischa The Evil

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Go MAEDA	% Done:	0%
Category:	Gems support	Estimated time:	0.00 hour
Target version:	6.1.0	Affected version:	5.0.2
Resolution:	Fixed		
Description			
There appears to exist a loading issue, probably connected to the Zeitwerk loader, which has now been reported twice in the forums: 1. Error with redmine 5.0.2 on FreeBSD 13.1 amd64 :: Redmine... 2. Help: uninitialized constant Redmine::WikiFormatting::Com...			
The exception raised in both the reports is "uninitialized constant Redmine::WikiFormatting::CommonMark::HTML (NameError)". It gets triggered by source/tags/5.0.2/lib/redmine/wiki_formatting/common_mark/external_links_filter.rb#L27 .			
I don't know if this can be reproduced and if so how, but I thought that given that it is the same exception in both the reports, it might be something that has to be investigated and fixed if necessary.			

Associated revisions

Revision 23734 - 2025-05-01 12:28 - Go MAEDA

Make commonmarker gem required to avoid runtime error (#37394).

Although the commonmarker gem is marked as optional in the Gemfile, Redmine fails to start without it, raising a NameError: "uninitialized constant Redmine::WikiFormatting::CommonMark::HTML". This patch makes the gem required to ensure Redmine starts correctly.

History

#1 - 2022-07-17 14:39 - Azamat Hackimov

I think problem is that in Gemfile common_mark group described as optional, but really it can't be disabled, so effectively you have to install all gems for common_mark group in order to launch Redmine 5.

#2 - 2024-01-02 18:04 - Joachim Mathes

I can confirm that behavior.

My local development environment works fine. But when I try to run Redmine in a bitnami/ruby container, it fails with a corresponding error regarding a plugin. Even when I remove all plugins Redmine fails with

```
/lib/redmine/wiki_formatting/markdown/formatter.rb:25:in `': uninitialized constant Redmine::WikiFormatting::Markdown::Redcarpet (NameError)
```

despite

- the same Redmine version 5.1.1
- the same Ruby version 3.2.2
- the same bundler version 2.4.19
- the same run command bundle exec rails server --environment=development
- the same Gemfile.lock and thus the same gem versions.
 - e.g. Rails 6.1.7.6

Any help is appreciated.

Edit (08.01.2024)

I found the error(s) and fixed them. But first of all I would like to share, that running

```
bundle exec rails zeitwerk:check
```

helped a lot to check if the error still exists. Now let's have a look at the fixes

1. Obviously uninitialized constant `Redmine::WikiFormatting::Markdown::Redcarpet` (NameError) is related to Markdown. But our Dockerfile excluded markdown:
`BUNDLE_WITHOUT=...markdown:....` Thus, removing markdown from the exclude list fixed the error.
2. But I still had another issue with a [RedmineUP plugin](#): `redmine_contacts`

```
NameError: uninitialized constant CalendarsHelper (NameError)

      Object.const_get (camel_cased_word)
                ^^^^^^^^^^^
Did you mean?  CalendarsController
/app/plugins/redmine_contacts/app/controllers/deals_controller.rb:50:in `'
```

Well, that one could actually be fixed easily by updating from version 4.3.7 to version 4.3.8. What you must know is, that `redmine_contacts` is named `redmine_crm` on RedmineUp's download page.

#3 - 2025-04-23 11:44 - Go MAEDA

- File `37394.patch` added
- Category changed from *Text formatting* to *Gems support*
- Target version set to `6.1.0`

As already pointed out in this issue, Redmine fails to start if the `commonmarker` gem is not installed. Although the gem is currently marked as optional in the Gemfile, it is in fact required for Redmine to run properly. Therefore, labeling `commonmarker` as optional is misleading and inappropriate.

The reason it may have been marked as optional originally could be that Markdown support, based on the `redcarpet` gem, was introduced in Redmine 2.5.0 as experimental ([#15520](#)), and `redcarpet` did not work on JRuby. However, Redmine no longer supports JRuby.

Furthermore, since Redmine 5.1.0, the default text formatting has been changed to CommonMark Markdown ([#34863](#)), which depends on the `commonmarker` gem. Given this, treating `commonmarker` as optional is no longer suitable.

The attached patch updates the Gemfile to reflect that `commonmarker` is a required dependency.

#4 - 2025-04-27 10:04 - Go MAEDA

- File `37394-v2.patch` added

I have updated the patch. This version removes all `Object.const_defined?(:Commonmarker)` checks because the `CommonMarker` gem is now mandatory.

#5 - 2025-05-01 12:35 - Go MAEDA

- Subject changed from *uninitialized constant Redmine::WikiFormatting::CommonMark::HTML (NameError)* to *commonmarker gem is marked optional but required at runtime*
- Status changed from *New* to *Closed*
- Assignee set to *Go MAEDA*
- Resolution set to *Fixed*

I fixed the issue in [r23734](#) by making the `commonmarker` gem required in the Gemfile.

Files

<code>37394.patch</code>	730 Bytes	2025-04-23	Go MAEDA
<code>37394-v2.patch</code>	52.1 KB	2025-04-27	Go MAEDA