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			
Resolution:	Fixed		**Affected version:**	5.0.2

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 `<module:Markdown>': 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 `<class:DealsController>'
```

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

37394.patch	730 Bytes	2025-04-23	Go MAEDA
37394-v2.patch	52.1 KB	2025-04-27	Go MAEDA