

## Redmine - Defect #32223

### Disable sprockets to avoid Sprockets::Railtie::ManifestNeededError raised by sprockets 4.0.0

2019-10-09 02:59 - Go MAEDA

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Go MAEDA	<b>% Done:</b>	0%
<b>Category:</b>	Gems support	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	4.1.0	<b>Affected version:</b>	
<b>Resolution:</b>	Fixed		
<b>Description</b>			
Redmine doesn't start with Sprockets::Railtie::ManifestNeededError if sprockets 4.0.0 is installed.			
<pre>\$ bin/rails c Traceback (most recent call last):  28: from bin/rails:4:in `<main>'  27: from bin/rails:4:in `require' . . . /Users/maeda/redmines/gems/ruby/2.6.0/gems/sprockets-rails-3.2.1/lib/sprockets/railtie.rb:105:in ` block in &lt;class:Railtie&gt;': Expected to find a manifest file in `app/assets/config/manifest.js` (Sp rocks::Railtie::ManifestNeededError) But did not, please create this file and use it to link any assets that need to be rendered by your app:  Example:   //= link_tree ../images   //= link_directory ../javascripts .js   //= link_directory ../stylesheets .css and restart your server</main></pre>			
<b>Related issues:</b>			
Related to Redmine - Defect #32300: Don't use sprockets 4.0.0 in order to avo...		<b>Closed</b>	
Related to Redmine - Defect #32839: Redmine 4.1 installation fails due to an ...		<b>Closed</b>	
Related to Redmine - Defect #32852: Upgrading from Redmine v4.0.5 to v4.1.0 g...		<b>Closed</b>	

### Associated revisions

#### Revision 18859 - 2019-10-24 04:15 - Go MAEDA

Disable sprockets to avoid Sprockets::Railtie::ManifestNeededError raised by sprockets 4.0.0 (#32223).

Patch by Go MAEDA.

### History

#### #1 - 2019-10-09 03:54 - Go MAEDA

The version of sprockets should be fixed at 3.7 until this issue is fixed.

```
diff --git a/Gemfile b/Gemfile
index 8eacdd122..762c6cefb 100644
--- a/Gemfile
+++ b/Gemfile
@@ -15,6 +15,9 @@ gem "nokogiri", "~> 1.10.0"
  gem "i18n", "~> 1.6.0"
  gem "rbpdf", "~> 1.20.0"

+# TODO: Remove the following line when #32223 is fixed
+gem "sprockets", "~> 3.7.2"
+
# Windows does not include zoneinfo files, so bundle the tzinfo-data gem
gem 'tzinfo-data', platforms: [:mingw, :x64_mingw, :mswin]
```

## #2 - 2019-10-09 04:03 - Go MAEDA

- Subject changed from *Redmine doesn't start with Sprockets :: Railtie :: ManifestNeededError if sprockets 4.0.0 is installed to Redmine doesn't start with Sprockets::Railtie::ManifestNeededError if sprockets 4.0.0 is installed*

Fixed the version of sprockets at 3.7 in [r18629](#).

## #3 - 2019-10-09 07:35 - Alexander Meindl

Sprockets 4 requires ruby 2.5 or newer, too. This means, at the moment if you try to install Redmine 4 with ruby e.g. 2.3, bundler is failing. Your patch is required in Redmine 4.0.x, to support older ruby versions again.

## #4 - 2019-10-09 07:39 - Go MAEDA

Alexander Meindl wrote:

Sprockets 4 requires ruby 2.5 or newer, too. This means, at the moment if you try to install Redmine 4 with ruby e.g. 2.3, bundler is failing. Your patch is required in Redmine 4.0.x, to support older ruby versions again.

I have committed the same change in 4.0-stable branch in [r18634](#). Thank you for the explanation.

## #5 - 2019-10-10 04:37 - Go MAEDA

- File *disable-sprockets.patch* added

The attached patch fixes this issue. I would like Rails exports to review it.

## #6 - 2019-10-10 19:43 - Giorgos Tsirkas

I have the same issue having redmine4.0.4 source, Ruby2.5 and Rails 5.2.3

## #7 - 2019-10-11 08:34 - Go MAEDA

- Subject changed from *Redmine doesn't start with Sprockets::Railtie::ManifestNeededError if sprockets 4.0.0 is installed to Disable sprockets to avoid Sprockets::Railtie::ManifestNeededError raised by sprockets 4.0.0*

- Description updated

- Target version set to 4.1.0

I would like to commit [disable-sprockets.patch](#) ([#32223#note-5](#)) after it has reviewed by people here.

Setting the target version to 4.1.0.

## #8 - 2019-10-11 13:05 - Jose Antonio Garcia

Same problems appears in 3.3-stable branch.

## #9 - 2019-10-11 15:35 - Go MAEDA

Jose Antonio Garcia wrote:

Same problems appears in 3.3-stable branch.

Redmine 3.3 is no longer maintained. So, an update for this issue will not be released.

However, you can fix the error by your self. Please create a file "Gemfile.local" and add the following line.

```
gem "sprockets", "~> 3.7.2"
```

## #10 - 2019-10-11 21:53 - Mischa The Evil

Two things regarding the patch from [#note-5](#):

1. I don't know if disabling/removing sprockets this way in the Redmine core makes enabling of the Rails asset pipeline locally more difficult than it currently is?
2. Are you sure everything needed by the core is indeed loaded with this config?

FTR: some back-references to this issue in the forums:

- [sprockets 4.0.0 breaks Redmine 3.4.11 with Ruby <2.5.0](#)
- [Problems running Redmine after updating to Fedora 30](#)

FWIW: given [r18635](#), this issue's target version should probably be set to 3.4.12.

#### #11 - 2019-10-12 02:29 - Go MAEDA

Mischa The Evil wrote:

1. I don't know if disabling/removing sprockets this way in the Redmine core makes enabling of the Rails asset pipeline locally more difficult than it currently is?

Sorry, I don't know.

1. Are you sure everything needed by the core is indeed loaded with this config?

I think `active_storage` and `action_cable` can be removed at least, but I think this issue should stick to removing sprockets because it is off-topic for this issue. We can discuss removing other libraries in another issue after the change is committed.

FWIW: given [r18635](#), this issue's target version should probably be set to 3.4.12.

I am afraid that disabling sprockets will break some plugins.

#### #12 - 2019-10-19 05:05 - Go MAEDA

- File `disable-sprockets.diff` added

Updated the patch. Just replaced double quotation marks with single quotation marks.

#### #13 - 2019-10-19 10:26 - Jean-Philippe Lang

- Related to Defect #32300: Don't use sprockets 4.0.0 in order to avoid `Sprockets::Railtie::ManifestNeededError` added

#### #14 - 2019-10-20 07:09 - Mischa The Evil

Go MAEDA wrote:

Mischa The Evil wrote:

1. Are you sure everything needed by the core is indeed loaded with this config?

I think `active_storage` and `action_cable` can be removed at least, but I think this issue should stick to removing sprockets because it is off-topic for this issue. We can discuss removing other libraries in another issue after the change is committed.

What I meant was not about what else we can remove; just about what Redmine needs to function correctly.

FWIW: given [r18635](#), this issue's target version should probably be set to 3.4.12.

I am afraid that disabling sprockets will break some plugins.

JPL fixed what I was referring to by opening [#32300](#). IMHO this should be fixed at the root in either sprockets itself or Redmine somehow.

#### #15 - 2019-10-20 09:21 - Pavel Rosický

Go MAEDA your patch improves startup time and memory consumption.

```
disable-sprockets.diff
before
 2.078125  4.734375  6.812500 ( 8.833407)
mem: 47841280.0

after
 1.234375  2.687500  3.921875 ( 3.926718)
mem: 34430976.0
```

but that belongs to the next version, not for maintenance releases in order to fix the sprockets problem.

#### #16 - 2019-10-20 09:56 - Mischa The Evil

Pavel Rosický wrote:

[...]

How do you generate these numbers? On what system? Can you remove `active_storage` and `action_cable` too and benchmark those configs too? I'm curious what difference it makes in your case.

**#17 - 2019-10-20 11:16 - Go MAEDA**

Mischa The Evil wrote:

Go MAEDA wrote:

Mischa The Evil wrote:

1. Are you sure everything needed by the core is indeed loaded with this config?

I think `active_storage` and `action_cable` can be removed at least, but I think this issue should stick to removing sprockets because it is off-topic for this issue. We can discuss removing other libraries in another issue after the change is committed.

What I meant was not about what else we can remove; just about what Redmine needs to function correctly.

Sorry for the misreading.

I believe the config loads all libraries needed to run a Rails app. Actually, the set of "require" methods was not written by me but generated by ``rails new appname --skip-sprockets``.

**#18 - 2019-10-20 14:23 - Pavel Rosický**

- *File `require_bench.rb` added*

Mischa The Evil wrote:

Pavel Rosický wrote:

[...]

How do you generate these numbers? On what system? Can you remove `active_storage` and `action_cable` too and benchmark those configs too? I'm curious what difference it makes in your case.

benchmark included

**#19 - 2019-10-22 04:01 - Go MAEDA**

Mischa The Evil wrote:

IMHO this should be fixed at the root in either sprockets itself or Redmine somehow.

Probably sprockets will never be fixed. A maintainer of sprockets wrote that "you need to change the require 'rails/all' to require the individual railties and leave the sprockets railties out of the list".

<https://github.com/rails/sprockets/issues/643#issuecomment-544589461>

Considering the comment, [disable-sprockets.diff](#) is the right approach to fix this issue.

**#20 - 2019-10-24 04:15 - Go MAEDA**

- *Status changed from New to Closed*

- *Assignee set to Go MAEDA*

- *Resolution set to Fixed*

Committed the fix to the trunk.

**#21 - 2020-01-20 07:18 - Go MAEDA**

- *Related to Defect #32839: Redmine 4.1 installation fails due to an attempt to install sprockets 4.0.0 if bundler prior to 1.15.2 is used on Ruby prior to 2.5 added*

#22 - 2020-01-22 15:39 - Holger Just

- Related to Defect #32852: Upgrading from Redmine v4.0.5 to v4.1.0 gives 2 errors added

## Files

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disable-sprockets.patch	1.47 KB	2019-10-10	Go MAEDA
disable-sprockets.diff	1.52 KB	2019-10-19	Go MAEDA
require_bench.rb	1.42 KB	2019-10-20	Pavel Rosický