Redmine - Defect #38250

config/settings.yml not closed in Setting.load_available_settings

2023-02-06 12:42 - Thomas Löber

Status:	Closed		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:	Go MAEDA		**% Done:**	0%
Category:	Code cleanup/refactoring		**Estimated time:**	0.00 hour
Target version:	5.1.0			
Resolution:	Fixed		**Affected version:**	5.0.4

Description

The file config/settings.yml is not closed after it is read in Setting.load_available_settings.

This can cause problems during development, for example when changing Git branches while the Rails server is running (*error: unable to unlink old 'config/settings.yml'*).

The solution is to pass a block to File.open, as it will automatically close the file after the block is executed.

```
def self.load_available_settings
  File.open("#{Rails.root}/config/settings.yml") do |f|
    YAML.load(f).each do |name, options|
      define_setting name, options
    end
  end
end
```

Associated revisions

Revision 22099 - 2023-02-06 15:08 - Go MAEDA

Fix config/settings.yml not closed in Setting.load_available_settings (#38250).

Patch by Thomas Löber.

Revision 22101 - 2023-02-13 15:35 - Go MAEDA

Refactor code to use YAML.load_file instead of explicitly opening the file (#38250).

History

#1 - 2023-02-06 14:55 - Go MAEDA

- Subject changed from settings.yml not closed to config/settings.yml not closed in Setting.load_available_settings

- Status changed from New to Confirmed

- Target version set to 4.2.10

#2 - 2023-02-06 15:08 - Go MAEDA

- Status changed from Confirmed to Resolved

- Assignee set to Go MAEDA

- Resolution set to Fixed

Committed the fix. Thank you for reporting and fixing the issue.

#3 - 2023-02-07 21:26 - Holger Just

Rather than explicitly opening the file ourselves, we may also use YAML.load_file.

#4 - 2023-02-08 14:24 - Thomas Löber

Until today, I didn't know that this method even existed. You never stop learning :-)

Here is a new patch using YAML.load_file:

```
--- a/app/models/setting.rb
+++ b/app/models/setting.rb
@@ -320,7 +320,7 @@
   end

   def self.load_available_settings
-    YAML::load(File.open("#{Rails.root}/config/settings.yml")).each do |name, options|
+    YAML.load_file(Rails.root + "config/settings.yml").each do |name, options|
      define_setting name, options
    end
   end
```

#5 - 2023-02-13 15:35 - Go MAEDA

Holger Just wrote:

> Rather than explicitly opening the file ourselves, we may also use YAML.load_file.

Thank you, updated the code in [r22101](r22101).

#6 - 2023-02-15 10:09 - Go MAEDA

- Target version changed from 4.2.10 to 5.1.0

#7 - 2023-02-15 10:10 - Go MAEDA

- Status changed from Resolved to Closed

```
--- a/app/models/setting.rb
+++ b/app/models/setting.rb
@@ -320,7 +320,7 @@
   end

   def self.load_available_settings
-    YAML::load(File.open("#{Rails.root}/config/settings.yml")).each do |name, options|
+    YAML.load_file(Rails.root + "config/settings.yml").each do |name, options|
      define_setting name, options
    end
   end
```