

Redmine - Defect #38021

Development mode, class-reloader is not work.

2022-12-07 10:59 - Haihan Ji

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Affected version:	
Resolution:	Duplicate		

Description

<http://127.0.0.1:3000/admin/info>

Environment:

```
Redmine version      5.0.4.stable
Ruby version         2.6.9-p207 (2021-11-24) [x64-mingw32]
Rails version        6.1.7
Environment          development
Database adapter     Mysql2
Mailer queue         ActiveRecord::QueueAdapters::AsyncAdapter
Mailer delivery      smtp
```

Redmine settings:

```
Redmine theme       Default
```

SCM:

```
Subversion          1.14.1
Git                 2.34.1
Filesystem
```

Redmine plugins:

```
demo               0.0.1
```

make a plugin:

```
rails g redmine_plugin demo
rails g redmine_plugin_controller demo test index
```

plugin/config/routes.rb

```
# Plugin's routes
# See: http://guides.rubyonrails.org/routing.html
```

```
resources 'test'
```

plugins/demo/app/controllers/test_controller.rb

```
class TestController < ApplicationController

  def index
    @var = 'abc'
  end
end
```

plugins/demo/app/views/test/index.html.erb

```
<h2>TestController#index</h2>
```

```
<h3>@var</h3>
```

```
<%= debug @var%>
```

If I change value of @var, I have to reboot the server to make it effective.

I read the rails guide (https://guides.rubyonrails.org/autoloading_and_reloading_constants.html), made a simple try.
Append this line to REDMINE_ROOT/config/application.rb

```
config.autoload_paths << 'D:/Ruby/redmine-5.0.4/plugins/demo/app/controllers'
```

Class Reloader work again!

Maybe, PluginLoader::add_autoload_paths need upgrade, it seems that it does not work properly in Zeitwerk mode.

REDMINE_ROOT/lib/redmine/plugin_loader.rb:130

```
def self.add_autoload_paths
  directories.each do |directory|
    # Add the plugin directories to rails autoload paths
    engine_cfg = Rails::Engine::Configuration.new(directory.to_s)
    engine_cfg.paths.add 'lib', eager_load: true
    engine_cfg.eager_load_paths.each do |dir|
      Rails.autoloaders.main.push_dir dir # <== Here??
    end
  end
end
```

Related issues:

Is duplicate of Redmine - Defect #36273: Modifying the source code of a plugi...

Closed

History

#1 - 2022-12-09 17:26 - Dmitry Makurin

It has been broken since [#32938](#), the issue already was reported [#36273](#).
Rails does not track files changes under plugin/ directory, reloading still works if redmine core modified but not the plugin ones.

#2 - 2022-12-21 08:49 - Go MAEDA

- Is duplicate of Defect #36273: Modifying the source code of a plugin does not reload it after r21295 added

#3 - 2022-12-21 08:49 - Go MAEDA

- Status changed from New to Closed
- Resolution set to Duplicate

Fixed by [#36273](#) for Redmine 5.0.5.