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:				
Resolution:	Duplicate		**Affected version:**	

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                   ActiveJob::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.