

## Redmine - Defect #26513

### Rails5: production env: NameError (uninitialized constant Redmine::SortCriteria)

2017-07-24 15:38 - Toshi MARUYAMA

<b>Status:</b> Closed	<b>Start date:</b>
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b>	<b>Affected version:</b>
<b>Resolution:</b> Fixed	

**Description**

```
Started GET "/test-trunk/projects/redmine-svn/issues" for ::1 at 2017-07-24 22:33:49 +0900
Processing by IssuesController#index as HTML
  Parameters: {"project_id"=>"redmine-svn"}
  Current user: admin (id=1)
Completed 500 Internal Server Error in 258ms (ActiveRecord: 184.1ms)

NameError (uninitialized constant Redmine::SortCriteria):

app/models/query.rb:758:in `sort_criteria='
app/models/query.rb:380:in `build_from_params'
app/models/issue_query.rb:77:in `build_from_params'
app/helpers/queries_helper.rb:299:in `retrieve_query'
app/controllers/issues_controller.rb:43:in `index'
lib/redmine/sudo_mode.rb:63:in `sudo_mode'
```

It is fine in test env.

**Related issues:**

Related to Redmine - Feature #23630: Migrate to Rails 5.2	<b>Closed</b>
---	---------------

#### Associated revisions

##### Revision 16877 - 2017-07-24 19:14 - Jean-Philippe Lang

Fixed that sort\_criteria is required (#26513).

##### Revision 16881 - 2017-07-25 15:42 - Toshi MARUYAMA

add "config.enable\_dependency\_loading = true" at config/environments/production.rb (#26513, #26524, #26526)

##### Revision 16882 - 2017-07-25 17:38 - Toshi MARUYAMA

fix NameError (uninitialized constant) when "config.eager\_load = true" (#26513)

##### Revision 16883 - 2017-07-25 17:39 - Toshi MARUYAMA

revert r16881 (#26513, #26524, #26526)

#### History

##### #1 - 2017-07-24 15:57 - Go MAEDA

- Status changed from New to Confirmed

Confirmed the problem.

```
Started GET "/projects/ecookbook/issues" for 127.0.0.1 at 2017-07-24 22:54:41 +0900
Processing by IssuesController#index as HTML
  Parameters: {"project_id"=>"ecookbook"}
  Current user: admin (id=1)
Completed 500 Internal Server Error in 112ms (ActiveRecord: 8.7ms)

NameError (uninitialized constant Redmine::SortCriteria):

app/models/query.rb:758:in `sort_criteria='
```

```
app/models/query.rb:361:in `initialize'  
app/models/issue_query.rb:54:in `initialize'  
app/helpers/queries_helper.rb:305:in `retrieve_query'  
app/controllers/issues_controller.rb:43:in `index'  
lib/redmine/sudo_mode.rb:63:in `sudo_mode'
```

\$ bin/about

Environment:

```
Redmine version      3.4.2.devel.16874  
Ruby version         2.4.0-p0 (2016-12-24) [x86_64-darwin16]  
Rails version        5.1.2  
Environment          production  
Database adapter     SQLite
```

SCM:

```
Subversion           1.9.5  
Darcs                 2.12.0  
Mercurial            3.8.4  
Cvs                  1.12.13  
Bazaar               2.7.0  
Git                  2.11.0  
Filesystem
```

Redmine plugins:

```
no plugin installed
```

## #2 - 2017-07-24 16:12 - Go MAEDA

A workaround for this issue.

[http://guides.rubyonrails.org/upgrading\\_ruby\\_on\\_rails.html#autoloading-is-disabled-after-booting-in-the-production-environment](http://guides.rubyonrails.org/upgrading_ruby_on_rails.html#autoloading-is-disabled-after-booting-in-the-production-environment)

Index: config/application.rb

```
=====  
--- config/application.rb      (revision 16874)  
+++ config/application.rb      (working copy)  
@@ -12,6 +12,7 @@  
  
  # Custom directories with classes and modules you want to be autoloadable.  
  config.autoload_paths += %W(#{config.root}/lib)  
+  config.enable_dependency_loading = true  
  
  # Only load the plugins named here, in the order given (default is alphabetical).  
  # :all can be used as a placeholder for all plugins not explicitly named.
```

## #3 - 2017-07-24 19:15 - Jean-Philippe Lang

- Status changed from *Confirmed* to *Closed*

- Target version deleted (4.0.0)

- Resolution set to *Fixed*

Fixed in [r16877](#).

## #4 - 2017-07-24 19:15 - Jean-Philippe Lang

- Related to Feature #23630: *Migrate to Rails 5.2 added*

## #5 - 2017-07-25 15:48 - Toshi MARUYAMA

I tried this.

```
config.eager_load_paths << Rails.root.join('lib')
```

But it seems we have many jobs, so I have committed [r16881](#).

## #6 - 2017-07-25 16:13 - Pavel Rosický

[toshio harita](#) it should be only a temporarily solution

all classes should be explicitly required or eager-loaded on production to avoid concurrency issues

<http://blog.bigbinary.com/2016/08/29/rails-5-disables-autoloading-after-booting-the-app-in-production.html>

## #7 - 2017-07-25 18:00 - Toshi MARUYAMA

Pavel Rosický wrote:

[toshio harita](#) it should be only a temporarily solution

all classes should be explicitly required

OK. I have committed [r16882](#) and [r16883](#).

or eager-loaded on production to avoid concurrency issues

<http://blog.bigbinary.com/2016/08/29/rails-5-disables-autoloading-after-booting-the-app-in-production.html>

I tried this.

```
=== (+3,-2) config/application.rb ===
@@ -11,7 +11,8 @@
     # -- all .rb files in that directory are automatically loaded.

     # Custom directories with classes and modules you want to be autoloadable.
-   config.autoload_paths += %W(#{config.root}/lib)
+   #config.autoload_paths += %W(#{config.root}/lib)
+   config.eager_load_paths << Rails.root.join('lib')
```

then

```
.../lib/generators/redmine_plugin_controller/redmine_plugin_controller_generator.rb:1:in `<>top (required)>':
  uninitialized constant Generators::NamedBase (NameError)
```

```
"$ rm -fR lib/generators/redmine_plugin_*", then
```

```
/home/xxxxx/.rvm/gems/ruby-2.2.7/gems/activesupport-5.1.2/lib/active_support/dependencies.rb:292:in `require':
  No such file to load -- test/unit.rb (LoadError)
    from /home/xxxxx/.rvm/gems/ruby-2.2.7/gems/activesupport-5.1.2/lib/active_support/dependencies.rb:292:in `
  block in require'
    from /home/xxxxx/.rvm/gems/ruby-2.2.7/gems/activesupport-5.1.2/lib/active_support/dependencies.rb:258:in `
  load_dependency'
    from /home/xxxxx/.rvm/gems/ruby-2.2.7/gems/activesupport-5.1.2/lib/active_support/dependencies.rb:292:in `
  require'
    from /yyyyy/lib/plugins/acts_as_tree/test/acts_as_tree_test.rb:1:in `<>top (required)>'
```