

Redmine - Defect #39760

Some API tests fail with Ruby 2.7

2023-12-01 08:11 - Go MAEDA

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Marius BĂLTEANU	% Done:	0%
Category:	REST API	Estimated time:	0.00 hour
Target version:		Affected version:	
Resolution:	Fixed		

Description

In the current trunk [r22493](#), the following three API tests fail if you run tests with Ruby 2.7.

Failure:
Redmine::ApiTest::MyTest#test_GET_/my/account.json_should_return_user [/path/to/redmine/test/integration/api_test/my_test.rb:30]:
Expected: "application/json"
Actual: "text/html"

```
bin/rails test test/integration/api_test/my_test.rb:25
```

Failure:
Redmine::ApiTest::NewsTest#test_GET_/news/:id.json [/path/to/redmine/test/integration/api_test/news_test.rb:84]:
Expected: "application/json"
Actual: "text/html"

```
bin/rails test test/integration/api_test/news_test.rb:81
```

Failure:
Redmine::ApiTest::NewsTest#test_GET_/news/:id.xml [/path/to/redmine/test/integration/api_test/news_test.rb:69]:
Expected: "application/xml"
Actual: "text/html"

```
bin/rails test test/integration/api_test/news_test.rb:66
```

Related issues:

Related to Redmine - Feature #36320: Migrate to Rails 7.1	Reopened
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Associated revisions

Revision 22509 - 2023-12-10 05:01 - Marius BĂLTEANU

Fix failing API tests on Ruby 2.7 after migration to Rails 7.1 (#36320, #39760).

Patch by @maeda-m.

History

#1 - 2023-12-01 08:23 - Go MAEDA

I found the following change fixes the errors.

```
diff --git a/app/controllers/my_controller.rb b/app/controllers/my_controller.rb
index 860a91f06..7f1f2180f 100644
--- a/app/controllers/my_controller.rb
+++ b/app/controllers/my_controller.rb
@@ -69,6 +69,11 @@ class MyController < ApplicationController
   format.api {render_validation_errors(@user)}
   end
   end
+ else
+ respond_to do |format|
+   format.html
+   format.api
```

```

+     end
+   end
+ end

diff --git a/app/controllers/news_controller.rb b/app/controllers/news_controller.rb
index a4c48614f..3f1a13ab1 100644
--- a/app/controllers/news_controller.rb
+++ b/app/controllers/news_controller.rb
@@ -69,6 +69,11 @@ class NewsController < ApplicationController
  def show
    @comments = @news.comments.to_a
    @comments.reverse! if User.current.wants_comments_in_reverse_order?
+
+   respond_to do |format|
+     format.html
+     format.api
+   end
  end

  def new

```

#2 - 2023-12-08 04:00 - Minoru Maeda

Thank you for the insightful report. I appreciate the detailed information, which has helped me understand the main problem.

In Ruby 2.7, some API tests fail due to changes in how `Module#include` and `Module#prepend` work from Ruby 3.0 onwards. In Ruby 2.7, the order in which modules are included affects whether include/prepend functions properly in certain cases. This issue is related to <https://bugs.ruby-lang.org/issues/9573>.

Since trunk revision [r22488](#), `ActionView::Rendering` has been prepended with an anonymous module in `config/initializers/10-patches.rb`. However, `ActionView::Rendering` is already included in `ActionController::Base`. Thus, in Ruby 2.7, prepending `ActionView::Rendering` at the beginning with this anonymous module seems to be ineffective, and the API tests fail to produce the expected context-type.

Implementing the following changes will allow the API tests to pass in Ruby 2.7.

```

diff --git a/config/initializers/10-patches.rb b/config/initializers/10-patches.rb
index adac86583..7694fb60d 100644
--- a/config/initializers/10-patches.rb
+++ b/config/initializers/10-patches.rb
@@ -148,8 +148,9 @@ module ActionView
   super values
   end
 end)
-
- Rendering.prepend(Module.new do
+end
+module ActionController
+  Base.prepend(Module.new do
+    def rendered_format
+      if lookup_context.formats.first == :api
+        return request.format

```

I hope this proves helpful.

#3 - 2023-12-10 04:54 - Marius BĂLTEANU

- Related to Feature #36320: Migrate to Rails 7.1 added

#4 - 2023-12-10 05:02 - Marius BĂLTEANU

- Status changed from New to Closed

- Assignee set to Marius BĂLTEANU

- Resolution set to Fixed

Committed, thanks!