

Redmine - Defect #40208

An ActionController::RespondToMismatchError occurred in welcome#robots

2024-02-07 13:21 - Liane Hampe

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Go MAEDA	% Done:	0%
Category:	SEO	Estimated time:	0.00 hour
Target version:	5.0.8	Affected version:	5.1.1
Resolution:	Fixed		

Description

Problem

Requesting the robots file via `https://<domain>.tld/robots` raises an error:

```
respond_to was called multiple times and matched with conflicting formats in this action. Please note that you may only call respond_to and match on a single format per action.
app/controllers/application_controller.rb:592:in `render_error'
```

Requesting the robots file via `https://<domain>.tld/robots.txt` works as expected.

This behavior is the same for all Redmine versions.

Solution

In order to make the request of the robots file more stable we could slightly change the route definition to **allow both the request with and without format** :

```
# current definition
get 'robots', :to => 'welcome#robots'

# modified definition
get 'robots', :to => 'welcome#robots', :defaults => { format: 'txt' }
```

The attached patch file implements this change and considers testing too.

Associated revisions

Revision 22698 - 2024-02-09 05:46 - Go MAEDA

Fix robots.txt route to enforce .txt format (#40208).

Contributed by Liane Hampe (@liane_hampe).

Revision 22699 - 2024-02-09 05:49 - Go MAEDA

Merged r22698 from trunk to 5.1-stable (#40208).

Revision 22700 - 2024-02-09 05:51 - Go MAEDA

Merged r22698 from trunk to 5.0-stable (#40208).

History

#1 - 2024-02-07 14:06 - Go MAEDA

- Status changed from New to Confirmed

- Target version set to Candidate for next minor release

Thank you for identifying the issue and proposing a solution. I have verified that your patch successfully resolves the ActionController::RespondToMismatchError caused by a `GET /robots` request.

However, I found that with the patch applied, Redmine still responds to `GET /robots` alongside `GET /robots.txt`. Moreover, Redmine raises an ActionController::RespondToMismatchError when handling requests like `GET /robots.html` or `GET /robots.json`.

To refine the behavior further, I suggest a slight modification to your patch. With this adjustment, Redmine will respond only to GET /robots.txt and will return a 404 error for GET /robots, GET /robots.html, and GET /robots.json.

```
diff --git a/config/routes.rb b/config/routes.rb
index 540f3d0af..2db1a6abf 100644
--- a/config/routes.rb
+++ b/config/routes.rb
@@ -405,7 +405,7 @@ Rails.application.routes.draw do
   match 'uploads', :to => 'attachments#upload', :via => :post

-  get 'robots', :to => 'welcome#robots'
+  get 'robots.:format', :to => 'welcome#robots', :constraints => {format: 'txt'}

  Redmine::Plugin.directory.glob("*/config/routes.rb").sort.each do |plugin_routes_path|
    instance_eval(plugin_routes_path.read, plugin_routes_path.to_s)
```

#2 - 2024-02-07 15:09 - Liane Hampe

When I try your changes with Redmine 5.1.1 I get errors:

```
# Format: html
Started GET "/robots.html" for 192.168.2.26 at 2024-02-07 15:04:16 +0100

ActionController::RoutingError (No route matches [GET] "/robots.html"):

# Format: json
Started GET "/robots.json" for 192.168.2.26 at 2024-02-07 15:04:27 +0100

ActionController::RoutingError (No route matches [GET] "/robots.json"):

Started GET "/robots" for 192.168.2.26 at 2024-02-07 15:04:46 +0100

# Format: html
Processing by WelcomeController#robots as HTML

Completed 500 Internal Server Error in 29ms (ActiveRecord: 16.1ms | Allocations: 6204)

ActionController::RespondToMismatchError (respond_to was called multiple times and matched with conflicting
formats in this action. Please note that you may only call respond_to and match on a single format per action.
):

app/controllers/application_controller.rb:585:in `render_error'
app/controllers/application_controller.rb:573:in `render_404'
app/controllers/application_controller.rb:597:in `missing_template'
```

Did you test with the master branch?

#3 - 2024-02-08 01:11 - Go MAEDA

In my environment, the stable-5.1 branch with the patch works as expected as well. It successfully returns 404 for "/robots.html", "/robots.json", and "/robots".

```
Started GET "/robots.html" for 127.0.0.1 at 2024-02-08 09:07:07 +0900

ActionController::RoutingError (No route matches [GET] "/robots.html"):

Started GET "/robots.json" for 127.0.0.1 at 2024-02-08 09:07:13 +0900

ActionController::RoutingError (No route matches [GET] "/robots.json"):

Started GET "/robots" for 127.0.0.1 at 2024-02-08 09:07:20 +0900

ActionController::RoutingError (No route matches [GET] "/robots")
```

#4 - 2024-02-08 08:37 - Liane Hampe

I have made a fresh install of Redmine 5.1.1 and only changed the robots route according to your suggestion.

Then I have run the instance in development and production but it stays the same as above.

This is my (production) environment:

```
Environment:
  Redmine version      5.1.1.stable
```

```
Ruby version      3.1.4-p223 (2023-03-30) [x86_64-linux-musl]
Rails version     6.1.7.6
Environment       production
Database adapter  MySQL2
Mailer queue      ActiveSupport::QueueAdapters::AsyncAdapter
Mailer delivery   smtp
Redmine settings:
  Redmine theme   Default
SCM:
  Subversion      1.14.2
  Mercurial       6.6
  Git             2.43.0
  Filesystem
Redmine plugins:
  no plugin installed
```

#5 - 2024-02-08 09:05 - Go MAEDA

I have just installed Redmine 5.1.1 using tarball <https://www.redmine.org/releases/redmine-5.1.1.tar.gz> and applied the patch in [#note-1](#).

I cannot reproduce the error you encountered when you accessed /robots. Everything looks working fine. Redmine returns 404 for "/robots.html", "/robots.json", and "/robots" as expected.

```
$ curl --head http://localhost:3000/robots.html
HTTP/1.1 404 Not Found
Content-Type: text/html; charset=utf-8
X-Request-Id: ffb0a0ce-3672-4abc-8a90-017b0716f8df
X-Runtime: 0.099908
Content-Length: 252860
```

```
$ curl --head http://localhost:3000/robots.json
HTTP/1.1 404 Not Found
Content-Type: text/html; charset=utf-8
X-Request-Id: 5899aa24-bfb2-4b0d-8b56-a1d9ea13957a
X-Runtime: 0.068502
Content-Length: 252860
```

```
$ curl --head http://localhost:3000/robots
HTTP/1.1 404 Not Found
Content-Type: text/html; charset=utf-8
X-Request-Id: 8f8c654a-ecfc-471c-a13b-74b4d6c503eb
X-Runtime: 0.089086
Content-Length: 252855
```

```
Started HEAD "/robots.html" for ::1 at 2024-02-08 16:58:36 +0900
```

```
ActionController::RoutingError (No route matches [HEAD] "/robots.html"):
```

```
Started HEAD "/robots.json" for ::1 at 2024-02-08 16:58:38 +0900
```

```
ActionController::RoutingError (No route matches [HEAD] "/robots.json"):
```

```
Started HEAD "/robots" for ::1 at 2024-02-08 16:58:39 +0900
```

```
ActionController::RoutingError (No route matches [HEAD] "/robots"):
```

```
Environment:
  Redmine version  5.1.1.stable
  Ruby version     3.1.4-p223 (2023-03-30) [arm64-darwin23]
  Rails version    6.1.7.6
  Environment      production
  Database adapter SQLite
  Mailer queue     ActiveSupport::QueueAdapters::AsyncAdapter
  Mailer delivery  smtp
Redmine settings:
  Redmine theme   Default
SCM:
  Subversion      1.14.3
  Mercurial       6.6.1
  Cvs             1.12.13
  Bazaar          3.3.4
  Git             2.43.0
  Filesystem
Redmine plugins:
  no plugin installed
```

```
--- config/routes.rb.orig 2024-02-08 17:07:46
+++ config/routes.rb      2024-02-08 17:08:26
@@ -402,7 +402,7 @@
```

```
  match 'uploads', :to => 'attachments#upload', :via => :post

-  get 'robots', :to => 'welcome#robots'
+  get 'robots.:format', :to => 'welcome#robots', :constraints => {format: 'txt'}

  Redmine::Plugin.directory.glob("*/config/routes.rb").sort.each do |plugin_routes_path|
    instance_eval(plugin_routes_path.read, plugin_routes_path.to_s)
```

#6 - 2024-02-08 10:17 - Liane Hampe

Update:

Tested also with 5.1-stable branch but the result is still the same with `GET /robots`:

```
Completed 500 Internal Server Error in 16ms (ActiveRecord: 3.0ms | Allocations: 4739)
```

```
ActionController::RespondToMismatchError (respond_to was called multiple times and matched with conflicting
formats in this action. Please note that you may only call respond_to and match on a single format per action.
):
```

```
app/controllers/application_controller.rb:585:in `render_error'
app/controllers/application_controller.rb:573:in `render_404'
app/controllers/application_controller.rb:597:in `missing_template'
```

#7 - 2024-02-08 10:39 - Liane Hampe

Now I can confirm the behavior you described! :)

I missed the `.:format` in the fresh installs.

Your hint to test via curl was also insightful: Testing without `.:format` and via curl gives another result than testing via browser.

With `.:format` it is stable via both ways curl and browser. Therefore, I can fully agree to your solution.

Thank you very much for your help!

#8 - 2024-02-08 10:42 - Go MAEDA

- Target version changed from Candidate for next minor release to 5.0.8

Thank you for your feedback!

Setting the target version to 5.0.8.

#9 - 2024-02-08 13:08 - Go MAEDA

- File 40208-v2.patch added

#10 - 2024-02-09 05:46 - Go MAEDA

- Status changed from Confirmed to Resolved

- Assignee set to Go MAEDA

- Resolution set to Fixed

Committed the patch in [r22698](#). Thank you for your contribution.

#11 - 2024-02-09 05:51 - Go MAEDA

- Status changed from Resolved to Closed

Files

fix_robots_route.patch	1.65 KB	2024-02-07	Liane Hampe
40208-v2.patch	1.02 KB	2024-02-08	Go MAEDA