Redmine - Feature #34766

Better error message when no API format is recognised

2021-02-18 21:29 - Felix Schäfer

Status:	Closed		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:	Marius BĂLTEANU		**% Done:**	0%
Category:	REST API		**Estimated time:**	0.00 hour
Target version:	5.0.0			
Resolution:				

Description

At Planio sometimes see users trying to make API requests using the HTTP Accept: application/json header but forgetting to add .json at the end of the path. This currently leads to a raise with a 500 Internal Server Error.

We propose the following patch to correctly return a 406 Not Acceptable (this is the same HTTP status Rails uses when the passed Accept HTTP header can not be served), log the error instead of raise-ing, and returning a helpful message in the HTTP response.

```
diff --git a/lib/redmine/views/builders.rb b/lib/redmine/views/builders.rb
index 653c1bd6b..3c977df67 100644
--- a/lib/redmine/views/builders.rb
+++ b/lib/redmine/views/builders.rb
@@ -30,7 +30,9 @@ module Redmine
            when 'xml',  :xml  then Builders::Xml.new(request, response)
            when 'json', :json then Builders::Json.new(request, response)
            else
-             raise "No builder for format #{format}"
+             Rails.logger.error "No builder for format #{format.inspect}"
+             response.status = 406
+             return "We couldn't handle your request, sorry. If you were trying to access the AP
I, make sure to append .json or .xml to your request URL.\n"
            end
          if block_given?
            yield(builder)
```

Related issues:

Has duplicate Redmine - Feature #26709: Use correct http status codes	**Closed**

Associated revisions

Revision 21392 - 2022-01-30 14:39 - Marius BĂLTEANU

Return 406 status code instead of 500 when API request has an invalid format (#34766).

Patch by Felix Schäfer.

Revision 21393 - 2022-01-30 14:39 - Marius BĂLTEANU

Add test for #34766.

Patch by Mizuki ISHIKAWA.

History

#1 - 2021-02-18 22:31 - Pavel Rosický

well, I had the same proposal 3 years ago https://redmine.org/issues/26709

I don't see a reason why not to provide a JSON response if "Accept: application/json" header is present. I agree, that the application shouldn't raise 500, 406 is definitely more appropriate.

#2 - 2021-02-19 08:29 - Felix Schäfer

Pavel Rosický wrote:

> well, I had the same proposal 3 years ago https://redmine.org/issues/26709

Thank you for pointing this out, I was not aware this had already been worked on, I am sorry for overlooking it.

I don't see a reason why not to provide a JSON response if "Accept: application/json" header is present.

Providing a JSON or XML response when the Accept header is set would also be coherent with the way Rails handles requests I think. This would be my preferred solution, but I am unsure whether not accepting the Accept header in Redmine::Builders was a conscious decision or not.

I agree, that the application shouldn't raise 500, 406 is definitely more appropriate.

This would indeed be the smallest possible change that would avoid raising an error in the logs/in the application and improving the HTTP response for users.

#3 - 2021-02-21 06:02 - Go MAEDA

- Category set to REST API

#4 - 2021-03-01 08:13 - Go MAEDA

- Target version set to Candidate for next major release

#5 - 2022-01-04 02:51 - Go MAEDA

- Related to Feature #26709: Use correct http status codes added

#6 - 2022-01-04 03:42 - Mizuki ISHIKAWA

- File add_test.patch added

I attach a patch to add the test.

#7 - 2022-01-05 02:22 - Go MAEDA

- Target version changed from Candidate for next major release to 5.0.0

Setting the target version to 5.0.0.

#8 - 2022-01-30 11:57 - Marius BĂLTEANU

Instead of adding this error message, is not better to support API requests also with accept header?

#9 - 2022-01-30 13:50 - Marius BĂLTEANU

Marius BALTEANU wrote:

Instead of adding this error message, is not better to support API requests also with accept header?

Digging more in this and [#26709](), I think this change is useful regardless the accept header.

#10 - 2022-01-30 14:36 - Marius BĂLTEANU

- Related to deleted (Feature #26709: Use correct http status codes)

#11 - 2022-01-30 14:36 - Marius BĂLTEANU

- Has duplicate Feature #26709: Use correct http status codes added

#12 - 2022-01-30 14:41 - Marius BĂLTEANU

- Status changed from New to Closed

- Assignee set to Marius BĂLTEANU

Both patches committed, thanks!

I've created [#36544]() to allow the "Accept" header as well.

#13 - 2022-03-27 05:01 - Go MAEDA

- Tracker changed from Patch to Feature

Files

add_test.patch	987 Bytes	2022-01-04	Mizuki ISHIKAWA