

## Redmine - Defect #11388

### Updating a version through rest API returns invalid JSON

2012-07-13 15:54 - Daan Broekhof

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jean-Philippe Lang	<b>% Done:</b>	0%
<b>Category:</b>	REST API	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.1.0	<b>Affected version:</b>	2.0.3
<b>Resolution:</b>	Fixed		
<b>Description</b>			
After PUTing a successful version update API request to /versions/1234.json, a response body consisting of one space is returned, while it declares itself to be 'Content-Type: application/json'.			
One space (" ") is not valid JSON, so a client interpreting the response according to the content-type header will issue an error.			
(reported before in <a href="#">#9598</a> , but does not mention content-type clash)			
<b>Related issues:</b>			
Related to Redmine - Defect #9598: JSON REST API : PUT returns one space char...		<b>Closed</b>	<b>2011-11-18</b>
Has duplicate Redmine - Defect #11491: JSON / XML format : delete / put dont ...		<b>Closed</b>	

#### Associated revisions

##### Revision 9975 - 2012-07-14 10:13 - Jean-Philippe Lang

Fixed that 200 API responses have a body containing one space (#11388).

#### History

##### #1 - 2012-07-13 16:05 - Etienne Massip

- Category set to REST API

##### #2 - 2012-07-13 16:12 - Etienne Massip

- Target version set to Candidate for next minor release

##### #3 - 2012-07-13 16:32 - Jean-Philippe Lang

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

Lets define the expected behaviour first.

##### #4 - 2012-07-13 16:48 - Jean-Philippe Lang

A more appropriate response should be a 204 response but I guess it could break some API clients. So I propose to respond with a 200 and an empty body. Should we keep the Content-Type as it is now?

##### #5 - 2012-07-13 17:15 - Etienne Massip

There has been [a related commit](#) in RoR ([original LH ticket](#)) to return an empty object (because setting Content-Type and no body makes no sense either I guess).

After discussion, it was eventually overridden by [a new commit](#) setting the response code to 204 and setting the body back to an single space.

I would do the way Rails do.

Edit: not an empty string, a single space.

##### #6 - 2012-07-13 17:33 - Jean-Philippe Lang

The default Rails behaviour is now a 204 No Content with a non-empty body, really?

##### #7 - 2012-07-13 17:50 - Etienne Massip

Jean-Philippe Lang wrote:

The default Rails behaviour is now a 204 No Content with a non-empty body, really?

Well, I did not test but that's what the code and commit say :D

```
...
assert_equal 204, @response.status
assert_equal " ", @response.body
...
```

#### #8 - 2012-07-13 18:00 - Jean-Philippe Lang

I have made a few tests with JQuery. It gives an error when responding with a one space response body indeed. But it seems to work fine with a 200 response and an empty body, even if the response Content-Type is set to text/json. It gives no error and returns null.

So I propose to just change the "one space" response body to an empty body.

#### #9 - 2012-07-13 18:18 - Etienne Massip

Did you try with a 204 and a single space?

#### #10 - 2012-07-13 18:33 - Jean-Philippe Lang

No, but I really don't want to change the API behaviour in this way and break compatibility.

#### #11 - 2012-07-13 18:36 - Jean-Philippe Lang

Etienne Massip wrote:

Did you try with a 204 and a single space?

It seems to behave just like with an empty 200 response.

#### #12 - 2012-07-13 19:04 - Etienne Massip

FTR, there exists a [jQuery bug](#) which has been closed.

Quote : An example of this is the 204 No Content status. The HTTP specification is unclear as to the inclusion of content-type. It does not forbid including it at any rate. **But it does forbid the inclusion of a message-body.**

#### #13 - 2012-07-13 19:05 - Etienne Massip

Jean-Philippe Lang wrote:

So I propose to just change the "one space" response body to an empty body.

Agreed.

#### #14 - 2012-07-15 16:53 - Jean-Philippe Lang

- Status changed from New to Resolved
- Assignee set to Jean-Philippe Lang
- Target version changed from Candidate for next major release to 2.0.4
- Resolution set to Fixed

#### #15 - 2012-07-26 19:09 - Jean-Philippe Lang

- Status changed from Resolved to Closed
- Target version changed from 2.0.4 to 2.1.0

No feedback about the change, it will wait for 2.1.0.