Redmine - Defect #30073

Ajax Request Returns 200 but an error event is fired instead of success

2018-12-01 19:41 - Pavel Rosický

Status:	Closed	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:	Go MAEDA	**% Done:**	0%
Category:	REST API	**Estimated time:**	0.00 hour
Target version:	4.1.0		
Resolution:	Fixed	**Affected version:**	

Description

here's an explanation of the issue
https://stackoverflow.com/questions/6186770/ajax-request-returns-200-ok-but-an-error-event-is-fired-instead-of-success

IMO
https://github.com/redmine/redmine/blob/dcb545efadc586ab15065870b943763263ed9a46/app/controllers/application_controller.rb#L659 any maybe other places should be changed to return https://httpstatuses.com/204 (no-content) or a valid json {} if the dataType is json

example

```
    $.ajax({
        type: "DELETE",
        url: '/issues/5.json'
        dataType: 'json'
        success: function (data) {
            alert("ok");
        },
        error: function (textStatus, errorThrown) {
            alert('error');
        }
    });
```

if fails as an error, because the returned body is blank (not a valid json), but the request was successful

this behaviour is documented
http://api.jquery.com/jquery.ajax/

dataType (default: Intelligent Guess (xml, json, script, or html))
Type: String
The type of data that you're expecting back from the server. If none is specified, jQuery will try to infer it based on the MIME type of the response (an XML MIME type will yield XML, in 1.4 JSON will yield a JavaScript object, in 1.4 script will execute the script, and anything else will be returned as a string).

"json": Evaluates the response as JSON and returns a JavaScript object. Cross-domain "json" requests that have a callback placeholder, e.g. ?callback=?, are performed using JSONP unless the request includes jsonp: false in its request options. **The JSON data is parsed in a strict manner; any malformed JSON is rejected and a parse error is thrown. As of jQuery 1.9, an empty response is also rejected; the server should return a response of null or {} instead.** (See json.org for more information on proper JSON formatting.)

I propose to change

```
def render_api_ok
  render_api_head :ok
end
```

to

```
def render_api_ok
  render_api_head :no_content
```

```
end
```

Related issues:

Related to Redmine - Defect #33975: REST API format: JSON, Update Catelogy re...	**Closed**
Related to Redmine - Defect #37407: REST API Issues.xml call returning 204 no...	**Closed**

Associated revisions

Revision 17849 - 2019-02-05 09:33 - Go MAEDA

Ajax Request Returns 200 but an error event is fired instead of success (#30073).

Patch by Pavel Rosický.

History

#1 - 2018-12-14 06:48 - Go MAEDA

- Target version set to Candidate for next minor release

#2 - 2019-02-03 10:26 - Go MAEDA

- Target version changed from Candidate for next minor release to 3.4.9

LGTM. Setting the target version to 3.4.9.

#3 - 2019-02-03 10:56 - Go MAEDA

- Target version changed from 3.4.9 to 4.1.0

Changed the target version to 4.1.0.

I think we would better not to change the status code in minor versions because it may break some REST API clients which simply assume that the successful status code is "200".

#4 - 2019-02-03 12:25 - Go MAEDA

- File 30073.diff added

Updated tests.

#5 - 2019-02-03 15:05 - Go MAEDA

- File 30073-v2.diff added

A comment should be updated: s/200/204/

#6 - 2019-02-05 09:34 - Go MAEDA

- Status changed from New to Closed

- Resolution set to Fixed

Committed. Thank you for reporting and fixing this issue.

#7 - 2019-02-28 10:49 - Go MAEDA

- Assignee set to Go MAEDA

#8 - 2020-09-10 12:05 - Go MAEDA

- Related to Defect #33975: REST API format: JSON, Update Catelogy response incorrect. added

#9 - 2022-07-13 13:14 - Holger Just

- Related to Defect #37407: REST API Issues.xml call returning 204 no content added

Files

30073.diff	13.5 KB	2019-02-03	Go MAEDA
30073-v2.diff	13.8 KB	2019-02-03	Go MAEDA