

## Redmine - Feature #7366

### REST API for Issue Relations

2011-01-19 09:26 - Dimitri Sapunou

<b>Status:</b>	Closed	<b>Start date:</b>	2011-01-19
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	80%
<b>Category:</b>	REST API	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.3.0		
<b>Resolution:</b>	Fixed		
<b>Description</b>			
There is no Rest API for create, update, delete und select issue relations.			
<b>Related issues:</b>			
Related to Redmine - Feature # 5305: "related issues" info is required in XML...		<b>Closed</b>	<b>2010-04-13</b>

#### Associated revisions

##### Revision 6176 - 2011-07-04 19:03 - Jean-Philippe Lang

Adds REST API for issue relations (#7366).

##### Revision 6179 - 2011-07-04 19:44 - Jean-Philippe Lang

Adds support for GET on /issues/:issue\_id/relations (#7366).

##### Revision 6184 - 2011-07-05 18:47 - Jean-Philippe Lang

Makes relations resource shallow (#7366).

##### Revision 6313 - 2011-07-24 17:34 - Jean-Philippe Lang

Ability to load relations on /issues API (#7366).

#### History

##### #1 - 2011-02-11 07:01 - RedminePro Yang

+1

##### #2 - 2011-05-23 09:19 - Dmitry Ustyuzhanin

+2

##### #3 - 2011-07-02 01:08 - Alex Last

+3

#### #4 - 2011-07-02 01:10 - Alex Last

REST API provides list of existing relations (#5305).

sample: <http://mushroom:3000/issues/24580.xml?include=relations>

```
<issue>
<id>24580</id>
<project name="project number 1296286327740" id="120"/>
<tracker name="Bug" id="1"/>
<status name="New" id="1"/>
<priority name="Normal" id="4"/>
<author name="Redmine Admin" id="1"/>
<subject>task 1</subject>
<description/>
<start_date>2011-07-13</start_date>
<due_date/>
<done_ratio>0</done_ratio>
<estimated_hours/>
<spent_hours>0.0</spent_hours>
<custom_fields type="array">
<custom_field name="my_custom_1" id="1">
<value/>
</custom_field>
<custom_field name="custom_boolean_1" id="2">
<value>0</value>
</custom_field>
</custom_fields>
<created_on>2011-06-30T23:06:27-07:00</created_on>
<updated_on>2011-06-30T23:07:28-07:00</updated_on>
<relations type="array">
<relation delay="" id="2" relation_type="blocks" issue_id="24581"/>
</relations>
</issue>
```

#### #5 - 2011-07-04 19:51 - Jean-Philippe Lang

- Status changed from New to Resolved
- Target version set to 1.3.0
- % Done changed from 0 to 80

Added in r6176. See [\[\[Rest\\_IssueRelations\]\]](#).

#### #6 - 2011-07-04 20:21 - Alex Last

Excellent! Thank you very much, Jean-Philippe.

Having this API is crucial for proper MSProject-Redmine synchronization support. I hope now can properly save "predecessors" info from a Microsoft Project file into Redmine and then retrieve this info back.

#### #7 - 2011-07-04 21:36 - Jean-Philippe Lang

- Subject changed from Rest API for issue relations to REST API for Issue Relations

**#8 - 2011-07-22 05:22 - Alex Last**

[http://mushroom:3030/issues.xml?limit=25&#38;project\\_id=test&#38;offset=0&#38;include=relations](http://mushroom:3030/issues.xml?limit=25&#38;project_id=test&#38;offset=0&#38;include=relations)

- does NOT include relations. this only works for a particular issue, not for "get issues" request.

which means if I have 100 issues to load from Redmine, I need to perform 100+1 REST API requests to Redmine to check if those tasks have any relations.

this is not good

**#9 - 2011-07-23 07:16 - Alex Last**

at least the issues list should include number of relations for every task, so that if it's not == 0, I'd load them for that particular task (instead of trying to query every single task).

This is an important feature for data import-export between Redmine and MSProject.

**#10 - 2011-07-24 17:36 - Jean-Philippe Lang**

Added in r6313. You can now use /issues?include=relations.

**#11 - 2011-07-25 03:16 - Alex Last**

I see 1 problem with the implementation: both "forward" and "Reverse" relations are the same:

e.g. I have issues 1 and 2, 1 precedes 2.

I'd expect relations on 1 to say:

```
| "id=.. issue_id=1 issue_to_id=2 type=precedes"
```

and the relation on 2:

```
| "id=.. issue_id=2 issue_to_id=1 type=follows"
```

but what Redmine returns now is exactly the same relation text for both issues 1 and 2.

**#12 - 2011-07-25 03:18 - Alex Last**

- File *sample\_relations.xml* added

here's a sample XML file to illustrate the problem

**#13 - 2011-07-31 11:23 - Jean-Philippe Lang**

- Status changed from Resolved to Closed

- Resolution set to Fixed

Alexey Skor wrote:

| *I see 1 problem with the implementation: both "forward" and "Reverse" relations are the same*

Yes, that's because "they" are the same (look at their id), there's only one relation between 2 issues.

Delete one and "the other" will be deleted.

## Files

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sample_relations.xml	2.62 KB	2011-07-25	Alex Last
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