

Redmine - Defect #22022

Issue shows wrong in wrong parent subtasks list

2016-02-12 15:08 - Lifecycle Software

Status:	Needs feedback	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Issues	Estimated time:	0.00 hour
Target version:		Affected version:	3.2.0
Resolution:			

Description

To make it simple, I have this hierarchy

```
732
  734
    735
      766
```

I have a Issue 639 which has a "parent_id"=766 so I'm supposing to see the hierarchy like that:

```
732
  734
    735
      766
        639
```

But the problem is that Issue 639 is showing in the subtasks list of 735! Like this:

```
732
  734
    735
      639
        766
```

From the rails console, I'll show the problem in more details:

```
2.2.3 :001 > issue = Issue.find_by_id(639)
Issue Load (0.4ms) SELECT `issues`.* FROM `issues` WHERE `issues`.`id` = 639 LIMIT 1
=> #<Issue id: 639, tracker_id: 2, project_id: 5, subject: "Reactivate Subscriber (RM-224)", description: "", due_date:
"2015-12-23", category_id: 2, status_id: 2, assigned_to_id: 14, priority_id: 2, fixed_version_id: 10, author_id: 1, lock_version:
17, created_on: "2016-01-22 08:53:45", updated_on: "2016-02-12 11:35:41", start_date: "2015-12-17", done_ratio: 0,
estimated_hours: 7.0, parent_id: 766, root_id: 732, lft: 8, rgt: 9, is_private: false, closed_on: nil>
2.2.3 :005 > issue.ancestors[issue.ancestors.count-1].id
(0.3ms) SELECT COUNT(*) FROM `issues` WHERE `issues`.`root_id` = 732 AND (issues.lft < 8 AND issues.rgt > 9)
Issue Load (0.5ms) SELECT `issues`.* FROM `issues` WHERE `issues`.`root_id` = 732 AND (issues.lft < 8 AND issues.rgt >
9) ORDER BY `issues`.`lft` ASC
=> 735
```

```
2.2.3 :006 > issue.parent_id
=> 766
```

Here you can see that "issue" has a "parent_id" of 766, but it's nearest ancestor is 735!

Going deeper in the analysis..

```
2.2.3 :004 > parentIssue = Issue.find_by_id issue.parent_id
Issue Load (0.6ms) SELECT `issues`.* FROM `issues` WHERE `issues`.`id` = 766 LIMIT 1
=> #<Issue id: 766, tracker_id: 2, project_id: 5, subject: "MW LowLevel Actors", description: "", due_date: "2016-02-11",
category_id: 2, status_id: 1, assigned_to_id: 12, priority_id: 2, fixed_version_id: 10, author_id: 12, lock_version: 16,
created_on: "2016-02-10 16:44:37", updated_on: "2016-02-12 11:35:41", start_date: "2015-12-17", done_ratio: 0,
estimated_hours: nil, parent_id: 734, root_id: 732, lft: 23, rgt: 26, is_private: false, closed_on: nil>
2.2.3 :005 > parentIssue.parent_id
=> 734
2.2.3 :006 > ancestorIssue = issue.ancestors[issue.ancestors.count-1]
(1.7ms) SELECT COUNT(*) FROM `issues` WHERE `issues`.`root_id` = 732 AND (issues.lft < 8 AND issues.rgt > 9)
Issue Load (0.2ms) SELECT `issues`.* FROM `issues` WHERE `issues`.`root_id` = 732 AND (issues.lft < 8 AND issues.rgt >
9) ORDER BY `issues`.`lft` ASC
=> #<Issue id: 735, tracker_id: 2, project_id: 5, subject: "Executors", description: "", due_date: "2016-02-12", category_id: nil,
status_id: 1, assigned_to_id: 28, priority_id: 2, fixed_version_id: 10, author_id: 12, lock_version: 11, created_on: "2016-02-08
15:50:40", updated_on: "2016-02-12 11:09:39", start_date: "2016-02-10", done_ratio: 0, estimated_hours: nil, parent_id: 734,
root_id: 732, lft: 5, rgt: 10, is_private: false, closed_on: nil>
2.2.3 :007 > ancestorIssue.parent_id
=> 734
```

We can see that both realParent and ancestorParent have the same parent_id, as such they are brothers...

Why and how can I fix this one?

History

#1 - 2016-02-12 15:41 - Toshi MARUYAMA

- Status changed from New to Needs feedback

Lifecycle Software wrote:

But the problem is that Issue 639 is showing in the subtasks list of 735! Like this:

```
732
 734
   735
    639
     766
```

What do you mean "subtasks list"?

#2 - 2016-02-12 15:48 - Toshi MARUYAMA

| *Going deeper in the analysis..*

I cannot understand what you are trying.

What values are lft and rgt?

#3 - 2016-02-12 15:51 - Lifecycle Software

- File image_thumb[13].png added

I mean "THAT" subtasks list

#4 - 2016-02-12 15:55 - Lifecycle Software

Also, giving the same data:

```
2.2.3 :030 > expectedChilds = Issue.find_by_sql("SELECT `issues`.* FROM `issues` WHERE `issues`.`root_id` = 732 and parent_id = 766")
Issue Load (0.3ms) SELECT `issues`.* FROM `issues` WHERE `issues`.`root_id` = 732 and parent_id = 766
=> [#<Issue id: 638, tracker_id: 2, project_id: 5, subject: "Deactivate Subscriber (RM-224)", description: "", due_date: "2016-02-11",
category_id: 2, status_id: 5, assigned_to_id: 14, priority_id: 2, fixed_version_id: 10, author_id: 1, lock_version: 18, created_on: "2016-01-22
08:53:44", updated_on: "2016-02-12 14:13:09", start_date: "2016-02-09", done_ratio: 100, estimated_hours: 7.0, parent_id: 766, root_id: 732,
lft: 6, rgt: 7, is_private: false, closed_on: "2016-02-12 14:13:09">, #<Issue id: 639, tracker_id: 2, project_id: 5, subject: "Reactivate Subscriber
(RM-224)", description: "", due_date: "2015-12-23", category_id: 2, status_id: 5, assigned_to_id: 14, priority_id: 2, fixed_version_id: 10,
author_id: 1, lock_version: 18, created_on: "2016-01-22 08:53:45", updated_on: "2016-02-12 14:13:09", start_date: "2015-12-17", done_ratio:
100, estimated_hours: 7.0, parent_id: 766, root_id: 732, lft: 8, rgt: 9, is_private: false, closed_on: "2016-02-12 14:13:09">]
```

```
2.2.3 :031 > expectedChilds.count
=> 2
```

```
2.2.3 :032 > expectedChilds[0]
=> #<Issue id: 638, tracker_id: 2, project_id: 5, subject: "Deactivate Subscriber (RM-224)", description: "", due_date: "2016-02-11",
category_id: 2, status_id: 5, assigned_to_id: 14, priority_id: 2, fixed_version_id: 10, author_id: 1, lock_version: 18, created_on: "2016-01-22
08:53:44", updated_on: "2016-02-12 14:13:09", start_date: "2016-02-09", done_ratio: 100, estimated_hours: 7.0, parent_id: 766, root_id: 732,
lft: 6, rgt: 7, is_private: false, closed_on: "2016-02-12 14:13:09">
```

```
2.2.3 :033 > expectedChilds[1]
=> #<Issue id: 639, tracker_id: 2, project_id: 5, subject: "Reactivate Subscriber (RM-224)", description: "", due_date: "2015-12-23",
category_id: 2, status_id: 5, assigned_to_id: 14, priority_id: 2, fixed_version_id: 10, author_id: 1, lock_version: 18, created_on: "2016-01-22
08:53:45", updated_on: "2016-02-12 14:13:09", start_date: "2015-12-17", done_ratio: 100, estimated_hours: 7.0, parent_id: 766, root_id: 732,
lft: 8, rgt: 9, is_private: false, closed_on: "2016-02-12 14:13:09">
```

I can see that the real LFT and RGT are 6,7 and 7,8 but when you use the "descendants" calls (as used by the "Issue view controller", the SQL loaded looks different:

```
2.2.3 :036 > parentIssue.descendants
Issue Load (1.1ms) SELECT `issues`.* FROM `issues` WHERE `issues`.`root_id` = 732 AND (issues.lft > 23 AND issues.rgt < 26) ORDER
BY `issues`.`lft` ASC
=> #<ActiveRecord::Relation []>
```

And tries to load the nested list as "(issues.lft < 23 AND issues.rgt > 26)"...

[Edit: wrong copy&paste]

#5 - 2016-02-12 16:26 - Toshi MARUYAMA

- File *subs.png* added

I cannot reproduce.

subs.png

```
sqlite> select id, lft, rgt, parent_id from issues where root_id = 46 order by lft;
46|1|10|
47|2|9|46
48|3|6|47
35|4|5|48
49|7|8|47
```

#6 - 2016-02-12 16:29 - Lifecycle Software

It happened after moving multiple times the parent task by REST API

#7 - 2016-02-12 16:39 - Toshi MARUYAMA

- File *subs1.png* added

- File *subs2.png* added

Sorry, I used wrong example.

This is new example.

subs1.png

```
sqlite> select id, lft, rgt, parent_id from issues where root_id = 46 order by lft;
46|1|8|
47|2|7|46
48|3|4|47
49|5|6|47
```

subs2.png

```
sqlite> select id, lft, rgt, parent_id from issues where root_id = 46 order by lft;
46|1|10|
47|2|9|46
48|3|4|47
49|5|8|47
```

#8 - 2016-02-12 17:11 - Lifecycle Software

Toshi MARUYAMA wrote:

Sorry, I used wrong example.

This is new example.

subs1.png

[...]

subs2.png

[...]

Thanks you for your support!

Now try to move the 32 (actually child of 49) to child of 48 via a JSON REST submission

#9 - 2016-02-15 09:51 - Lifecycle Software

Seems like somewhat related to message#38378

I fixed it doing ssh on my server, backed-up my production DB, logged in the "rail console production" and executing a "Issue.rebuilt_tree!"

I scheduled a daily night job with RUFUS SCHEDULER to fix this issue since we manage tasks using REST API a lot and this issue is recurrent.

Bye.

#10 - 2016-07-05 12:20 - Sebastian Paluch

- File *broken-parent.png* added

I have the same problem.

An issue is shown in wrong hierarchy tree and subtasks list.

See attached picture. Parent Id (and entire hierarchy) as shown on the top of an issues does not match parent shown when I go into edit mode. The one in Edit mode is correct one.

broken-parent.png

#11 - 2016-10-04 11:34 - Serghei Zagorinyak

Same here after upgrading from 2.6.8 to 3.3.0.

Adding subtasks to some issues with rather deep hierarchy (3-5 levels) results in new subtasks being displayed at a higher hierarchy level than required, while parent_id and root_id are specified correctly. I was unable to find what is causing this because it only happens for a rather small amount of issues.

#12 - 2017-06-13 08:27 - Guillermo ML

We have the same problem with 3.3.1.

We used the patch from Feature #24167 to repair broken hierarchies. That patch avoid us to spend hours repairing the complete issue's tree.

Files

image_thumb[13].png	53 KB	2016-02-12	Lifecycle Software
subs.png	14.6 KB	2016-02-12	Toshi MARUYAMA
subs1.png	13.7 KB	2016-02-12	Toshi MARUYAMA
subs2.png	14.6 KB	2016-02-12	Toshi MARUYAMA
broken-parent.png	39.3 KB	2016-07-05	Sebastian Paluch