Redmine - Feature #24167

Rebuild a single nested set with nested_set plugin

2016-10-25 15:09 - Serghei Zagorinyak

Status:	Closed		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:	Jean-Philippe Lang		**% Done:**	0%
Category:	Core Plugins		**Estimated time:**	0.00 hour
Target version:	3.4.0			
Resolution:	Fixed			

Description

After updating to Redmine 3.3 we began to encounter broken issue trees quite often. Root and parent ids are ok, but lft and rgt values get messed up somehow. We have ~250k issues so using Issue.rebuild_tree! is a rather expensive task with enormous overhead as 99.99% of nested sets are ok and it is usually one or two that get broken from time to time.

I suppose having a possibility to rebuild only a single nested set would be very useful in such situations. Below is the code I'm using to do so now - just added it to /lib/redmine/nested_set/issue_nested_set.rb

```
def rebuild_single_tree!(root_id)
  root = Issue.find(root_id)
  if root.blank? || !root.parent_id.blank?
    p "Wrong root specified"
    return
  end
  transaction do
    where(root_id: root_id).update_all(:lft => nil, :rgt => nil)
    where(root_id: root_id, parent_id: nil).update_all(["lft = ?, rgt = ?", 1, 2])
    rebuild_nodes(root_id)
  end
end
```

Associated revisions

Revision 16111 - 2016-12-21 11:35 - Jean-Philippe Lang

Adds .rebuild_single_tree! to rebuild a single tree (#24167).

History

#1 - 2016-10-25 20:23 - Warren Postma

Wouldn't it be nice if Redmine moved to Git and you could just log an MR instead of pasting code or uploading a .patch? Le Sigh.

#14961

#2 - 2016-10-25 20:36 - Toshi MARUYAMA

- Description updated

#3 - 2016-10-25 20:43 - Toshi MARUYAMA

- Target version set to 3.4.0

#4 - 2016-12-21 11:35 - Jean-Philippe Lang

- Status changed from New to Closed

- Assignee set to Jean-Philippe Lang

- Resolution set to Fixed

Feature added in r16111.