Redmine - Defect #20995
Automatic done ratio calculation in issue tree is wrong in some cases
2015-10-15 09:34 - Felix Schäfer

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
<th>Start date:</th>
</tr>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
<td>Due date:</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Jean-Philippe Lang</td>
<td>% Done:</td>
</tr>
<tr>
<td>Category:</td>
<td>Issues</td>
<td>Estimated time:</td>
</tr>
<tr>
<td>Target version:</td>
<td>3.2.0</td>
<td></td>
</tr>
<tr>
<td>Resolution:</td>
<td>Fixed</td>
<td>Affected version:</td>
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Description

Currently the done ratio of parent issues in an issue tree is calculated based on the average of done ratios of the leaves below that issue source:/tags/3.1.1/app/models/issue.rb#L1491. This however can lead to inconsistencies in the automatically calculated done ratios.

For example: issue C with a done ratio of 50% and an open status, which is a subtask of issue B with a done ratio of 70% automatically set by its (open) status, which itself is a subtask of issue A, with a status that doesn't automatically set the done ratio. In that case, A will have an automatically calculated done ratio of 50% because it will be calculated based on the leaf's done ratios, i.e. from C, although its only direct child has a done ratio of 70%.

Is there any rationale to keeping the calculation of the done ratio based on the leaves? I would like to change it to be calculated based on the done ratios of the direct children. If this is an acceptable change I can work on a patch.

Related issues:
Related to Redmine - Defect # 23511: Progress of parent task should be calcul...
Closed

Associated revisions
Revision 14875 - 2015-11-14 10:58 - Jean-Philippe Lang

Calculate done_ratio based on children instead of leaves (#20995).

Patch by Jens Krämer.

History

#1 - 2015-10-15 09:35 - Felix Schäfer
As a side-note: I'm aware of #6609, this is not directly related though.

#2 - 2015-10-21 10:19 - Jens Krämer
- File calculate_done_ratio_from_children_20995.diff added

here's a patch switching done ratio calculation from the leaves to direct children, and a test illustrating the problem.

#3 - 2015-11-13 12:13 - Toshi MARUYAMA
- Target version set to 3.2.0

#4 - 2015-11-14 10:59 - Jean-Philippe Lang
- Status changed from New to Closed
#5 - 2016-08-23 15:24 - Toshi MARUYAMA
- Related to Defect #23511: Progress of parent task should be calculated using total estimated hours of children added

**Files**

<table>
<thead>
<tr>
<th>File Name</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
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<tbody>
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<td>calculate_done_ratio_from_children_20995.diff</td>
<td>2.31 KB</td>
<td>2015-10-21</td>
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