

Redmine - Defect #24213

% Done is not correct for parent to parents when calculated from subtasks

2016-10-30 22:32 - C-O L

Status: Closed	Start date:
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category: Issues planning	Estimated time: 0.00 hour
Target version:	Affected version: 3.3.0
Resolution: Duplicate	

Description

When having more than two levels of issues then when the % done is calculated for the top level parent then the subtasks on the first level always have equal weight instead of having a weight based on their total estimated hours.

Example:

```

  P      - top level parent task
(40)    = total estimated time
 / \
 /   \
A1  B1  - 1st level subtasks
(10) (30) = total estimated time
 | \   | \
 |  \  |  \
A2 A3 B2 B3 - 2nd level subtasks
3 7 9 21 = estimated times for 2nd level subtasks
```

The 2nd level subtasks each have an estimated time (A2=3h, A3=7h, B2=9h, B3=21h). The A subtree has a total of 10h and the B subtree has a total of 30h.

The 1st level subtasks calculate their % done using (sum of subtasks % done * estimated time)/(total estimated time). So if A2 is closed(100%) then A1 has a done of 30 (A2+A3=10h, and 3h of 10h = 30%).

The total estimated time for the top level parent P is 40h. When only A2 is closed then the correct done for P should be 7.5 (3h of 40h), but it is actually showing the done for A1 divided by the total number of 1st level subtasks which is 30/2=15%.

I have created a patch that solves the problem, and it seems to work fine for us that have up to three levels of tasks and no more than 10 nodes total in a tree.

Related issues:

Duplicates Redmine - Defect # 23511: Progress of parent task should be calcul... **Closed**

History

#1 - 2016-10-30 23:48 - Marius BALTEANU

Did you try the fix from #23511?

#2 - 2016-10-31 03:27 - Toshi MARUYAMA

- Status changed from New to Needs feedback

#3 - 2016-11-08 09:56 - C-O L

Yes #23511 should fix this problem, sorry I didn't find that issue before posting.

#4 - 2016-11-21 14:02 - Toshi MARUYAMA

- Status changed from Needs feedback to Closed

- Resolution set to Duplicate

#5 - 2016-11-21 14:02 - Toshi MARUYAMA

- Duplicates Defect #23511: Progress of parent task should be calculated using total estimated hours of children added

Files

done_fixed_for_several_levels_of_subtasks.diff	2.17 KB	2016-10-30	C-O L
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