

## Redmine - Defect #5880

### Only consider open subtasks when computing the priority of a parent issue

2010-07-14 16:00 - Norbert Bérci

<b>Status:</b>	Closed	<b>Start date:</b>	2010-07-14
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jean-Philippe Lang	<b>% Done:</b>	0%
<b>Category:</b>	Issues	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	3.3.0	<b>Affected version:</b>	
<b>Resolution:</b>	Fixed		
<b>Description</b>			
When computing the priority of a task, only subtasks with not closed status should be considered.  see <a href="http://demo.redmine.org/issues/26174">http://demo.redmine.org/issues/26174</a>			
<b>Related issues:</b>			
Related to Redmine - Feature # 5490: Option for independent subtask priority/...		<b>Closed</b>	<b>2010-05-10</b>
Related to Redmine - Defect # 6847: Parent priorities not dropping when subta...		<b>Closed</b>	<b>2010-11-08</b>
Duplicated by Redmine - Feature # 13736: Parent priority does not update when...		<b>Closed</b>	
Duplicated by Redmine - Feature # 19921: Issue priority with subtasks : not w...		<b>Closed</b>	
Duplicated by Redmine - Feature # 15289: Recalculate priority of a parent iss...		<b>Closed</b>	
Duplicated by Redmine - Defect # 14933: Parent issues default to highest prio...		<b>Closed</b>	

#### Associated revisions

##### Revision 15064 - 2016-01-16 10:00 - Jean-Philippe Lang

Only consider open subtasks when computing the priority of a parent issue (#5880).

Patch by Go MAEDA.

#### History

##### #1 - 2010-07-15 15:15 - dimitar korudjiiski

- % Done changed from 0 to 60

Norbert Bérci wrote:

When computing the priority of a task, only subtasks with not closed status should be considered.

see <http://demo.redmine.org/issues/26174>

##### #2 - 2010-07-20 21:23 - Norbert Bérci

set back because previous modifier was using this instead of demo.redmine.org

##### #3 - 2010-07-20 21:23 - Norbert Bérci

- % Done changed from 60 to 0

**#4 - 2010-11-08 08:21 - Ewan Makepeace**

1. Agreed.
2. Also there is no way to tell **which** of many subtasks is driving the priority.
3. For example my top priority level is emergency - but when it is a group I cant tell which is the emergency subtask (which might actually be closed!)

**#5 - 2010-11-10 11:13 - Andreas Bosch**

+1 - related to #5490 and #6847

Also see [my forum post](#) regarding this issue.

**#6 - 2011-11-21 16:39 - Mischa The Evil**

- Subject changed from parent task priority computation to Only consider open subtasks when computing the priority of a parent issue

**#7 - 2011-11-21 16:40 - Mischa The Evil**

- Category set to Issues

**#8 - 2013-02-20 01:25 - Ross Saad**

+1

**#9 - 2013-02-20 04:09 - John Pisani**

+1

**#10 - 2013-04-18 22:19 - Emmanuel Serau**

+1

**#11 - 2013-10-25 21:31 - Mikotaaj Milej**

+10

but, show me the code, I'll create a patch for it (or I'll find the code).

**edit:**

works for me:

in file: app/models/issue.rb

changed

```
# priority = highest priority of children
if priority_position = p.children.maximum("#{IssuePriority.table_name}.position", :joins => :priority)
  p.priority = IssuePriority.find_by_position(priority_position)
end
```

to

```
# priority = highest priority of children
if p.children.count > 0
  if priority_position = p.children.maximum("#{IssuePriority.table_name}.position", {:joins => [:priority, :status], :conditions => 'is_closed = 0'
  })
  else
    priority_position = IssuePriority.where("#{IssuePriority.table_name}.position", :conditions => 'is_default = 1')
  end
  p.priority = IssuePriority.find_by_position(priority_position)
end
```

I know almost nothing about Ruby and RoR so there is place for improvements and bug fixes ;]

#### **#12 - 2014-09-12 01:23 - A B**

The above patch does not work on db's with proper boolean types such as PostgreSQL; it also has a bug in the else clause in that it returns an IssuePriority object rather than a number. Here's an updated version that should work on all db's and fixes the bug:

```
# priority = highest priority of open children
if p.children.count > 0
  if priority_position = p.children.maximum("#{IssuePriority.table_name}.position", {:joins => [:priority, :status], :conditions => ['is_closed = ?
', false]})
  else
    priority_position = IssuePriority.where(is_default: true).pluck(:position).first
  end
  p.priority = IssuePriority.find_by_position(priority_position)
end
```

#### **#13 - 2014-12-09 12:05 - txemi M**

+1

I would like to see this implemented.

It is difficult for me get useful task views based on priority with all those already not important parent tasks showing on top.

#### **#14 - 2016-01-11 08:49 - Go MAEDA**

- Duplicated by Feature #19921: Issue priority with subtasks : not with closed issues added

#### **#15 - 2016-01-11 08:51 - Go MAEDA**

- Target version set to Candidate for next major release

#### **#16 - 2016-01-11 09:07 - Go MAEDA**

- Duplicated by Feature #15289: Recalculate priority of a parent issue automatically after child issue is closed added

#### **#17 - 2016-01-11 09:09 - Go MAEDA**

- Duplicated by Defect #14933: Parent issues default to highest priority child issue, should be highest priority \*OPEN\* child issue added

**#18 - 2016-01-11 09:48 - Go MAEDA**

This is a patch for current trunk (r15058).

Index: app/models/issue.rb

```
=====
--- app/models/issue.rb (revision 15058)
+++ app/models/issue.rb (working copy)
@@ -1451,9 +1451,11 @@
  def recalculate_attributes_for(issue_id)
    if issue_id && p = Issue.find_by_id(issue_id)
      if p.priority_derived?
-       # priority = highest priority of children
-       if priority_position = p.children.joins(:priority).maximum("#{IssuePriority.table_name}.position")
+       # priority = highest priority of open children
+       if priority_position = p.children.open.joins(:priority).maximum("#{IssuePriority.table_name}.position")
          p.priority = IssuePriority.find_by_position(priority_position)
+       else
+         p.priority = IssuePriority.default
        end
      end
    end
  end
end
```

**#19 - 2016-01-14 14:40 - Go MAEDA**

- *File defect-5880.diff added*
- *Target version changed from Candidate for next major release to 3.3.0*

Here is a patch with tests: attachment:defect-5880.diff

Please consider merging this fix.

**#20 - 2016-01-16 10:00 - Jean-Philippe Lang**

- *Status changed from New to Closed*
- *Assignee set to Jean-Philippe Lang*
- *Resolution set to Fixed*

Patch committed, thanks.

**Files**

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defect-5880.diff	2.32 KB	2016-01-14	Go MAEDA
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