

## Redmine - Patch #2268

### Patch to show Total Estimated Time at the bottom of each list of issues.

2008-12-03 04:55 - Ewan Makepeace

<b>Status:</b> Closed	<b>Start date:</b> 2008-12-03
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b> Time tracking	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b>	
<b>Description</b>	
Provides a total of estimated time for all the issues in a list, like this: <a href="http://www.redmine.org/attachments/1207/Picture_1.jpg">http://www.redmine.org/attachments/1207/Picture_1.jpg</a>	
Not totally certain this is the correct file format and naming - first try at uploading a patch.	
<b>Related issues:</b>	
Related to Redmine - Feature # 1561: Totals for estimated/spent time and nume...	<b>Closed</b> <b>2008-07-02</b>
Related to Redmine - Feature # 6571: Totalise numeric columns	<b>Closed</b> <b>2010-10-05</b>
Related to Redmine - Feature # 8559: Sum columns in reports	<b>Closed</b> <b>2011-06-07</b>
Duplicated by Redmine - Feature # 1374: Estimated hours sum in query listing	<b>Closed</b> <b>2008-06-04</b>
Precedes Redmine - Patch # 4776: Totals for Estimated Time	<b>Closed</b> <b>2010-02-09</b>

## History

### #1 - 2008-12-10 02:02 - Eric Davis

The patch is a good start and is in the correct format. There are a couple of improvements:

- Using send isn't necessary. `issue.estimated_hours` would work
- Some unit tests would be helpful

Another improvement would be to replace the entire loop with:

```
@issues.collect(&:estimated_hours).reject {|hours| hours.nil?}.sum
```

### #2 - 2008-12-10 13:47 - Jean-Philippe Lang

Or:

```
@issues.collect(&:estimated_hours).compact.sum
```

But the problem is that it calculates the total for the issues that are displayed only.

If the issue list has more than one page, this is a partial sum.

If we really want to add this feature, we'd better do a query to sum the estimated hours of all the filtered issues. IMHO, it makes more sense.

Adding something like this to the controller should almost work (not tested):

```
@estimated = Issue.sum :estimated_hours,  
  :include => [ :status, :project ],  
  :conditions => @query.statement
```

### #3 - 2008-12-10 17:33 - Eric Davis

Jean-Philippe Lang wrote:

*But the problem is that it calculates the total for the issues that are displayed only.  
If the issue list has more than one page, this is a partial sum.*

Opps, I thought that was what the feature was for "xxx time in the list"

**#4 - 2008-12-26 23:50 - Eric Davis**

- Status changed from New to 7
- Assignee set to Eric Davis

I've got a working patch for this feature, I'll commit it soon.

**#5 - 2009-01-08 09:55 - Ewan Makepeace**

Adding up the total estimated time for all issues (visible or not) might be dangerous - what if we click "All Issues" on a big database with thousands of issues - will they all be loaded into memory in order to sum their estimated time (unsure whether Active Record does this in memory or is smart and just calls "Select sum(EstimatedTime) from ..." ect).

I use the original patch daily and am very happy with it - if it is to be improved I would rather see subtotals for each discrete value in the sorted column before grand totals for all records.

**#6 - 2009-01-09 22:14 - Eric Davis**

Ewan Makepeace: Good thinking. Active Record does it as a single SUM query so it should be fine.

```
SQL (0.000110) SELECT sum(`issues`.estimated_hours) AS sum_estimated_hours FROM `issues` LEFT OUTER JOIN `issue_statuses` ON `issue_statuses`.id = `issues`.status_id LEFT OUTER JOIN `projects` ON `projects`.id = `issues`.project_id WHERE ((issue_statuses.is_closed=0) AND ((projects.status=1 AND EXISTS (SELECT em.id FROM enabled_modules em WHERE em.name='issue_tracking' AND em.project_id=projects.id)) AND (1=0 OR projects.is_public = 1)))
```

**#7 - 2009-01-10 00:45 - Jean-Philippe Lang**

Ewan Makepeace wrote:

*Adding up the total estimated time for all issues (visible or not) might be dangerous - what if we click "All Issues" on a big database with thousands of issues - will they all be loaded into memory in order to sum their estimated time (unsure whether Active Record does this in memory or is smart and just calls "Select sum(EstimatedTime) from ..." ect).*

I wouldn't have submitted such code if I was unsure of what Issue.sum does.

**#8 - 2010-10-25 17:02 - Eric Davis**

- Assignee deleted (Eric Davis)

**#9 - 2010-10-25 22:49 - Ewan Makepeace**

- File *times.jpg* added

Eric, we are still using a version of this patch today (some changes since the first version I think). It gives us issue count and total estimated time per group plus page and query totals of estimated time:

times.jpg

Let me know if any interest in our current patch.

**#10 - 2010-11-22 10:55 - Victor Sergienko**

Hi Evan,

Can you please share your patch in some way? I'd like to have it very much.

Thanks!

**#11 - 2011-03-03 14:28 - Etienne Massip**

- Category changed from *Issues* to *Time tracking*

**#12 - 2011-04-29 02:16 - Ewan Makepeace**

Victor See here: #4776

**#13 - 2011-10-26 06:13 - Mischa The Evil**

As mentioned the first time by Tony Marschall in #8559 [note-4](#), there exists a plugin which provides (parts of) this feature (along with some others): [Redmine spent time column](#). It's written by Jan Schulz-Hofen of plan.io.

I've started working on some improvements to make it better suitable for this issue in my fork of it:

[https://github.com/MischaTheEvil/redmine\\_spent\\_time\\_column](https://github.com/MischaTheEvil/redmine_spent_time_column)

**#14 - 2013-01-13 21:04 - Jean-Philippe Lang**

- Status changed from *7* to *New*

Assigned issue with no assignee back to New status.

**#15 - 2014-09-11 21:09 - Sergey W**

are there solutions for redmine 2.5 ?

**#16 - 2015-01-29 13:51 - Henry Auffahrt**

@Mischa The Evil,

as i see i can not install your fork of the plugin, maybe because we use redmine 2.6.1???

@all

This would be an awesome feature for us! We want to use our redmine system for our capacity planning. This would improve our work enormously :)

**#17 - 2015-04-27 12:05 - Muhammad Azmi Farih**

- File `total_estimated_hour_2_6_4.diff` added
- File `total_estimated_hour_2_6_4.sql` added

Hi All,

This patch is work on redmine 2.6.4.

Regards

**#18 - 2015-04-27 15:07 - Ewan Makepeace**

To clarify - the previous post by Muhammad Azmi contains the current version of our patches to show estimated time totals on groups and at the foot of pages as originally described.

**#19 - 2015-05-04 10:05 - Muhammad Azmi Farih**

- File `total_estimated_hour_2_6_4_edited.diff` added

Please use this patch rather than previous, I have cleaned up the patch more correctly.

**#20 - 2015-12-27 05:34 - Toshi MARUYAMA**

- Status changed from *New* to *Closed*

Fixed by #1561.

**Files**

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<code>total_estimated_hour.diff</code>	991 Bytes	2008-12-03	Ewan Makepeace
<code>times.jpg</code>	66.5 KB	2010-10-25	Ewan Makepeace
<code>total_estimated_hour_2_6_4.sql</code>	64 Bytes	2015-04-27	Muhammad Azmi Farih
<code>total_estimated_hour_2_6_4.diff</code>	37.2 KB	2015-04-27	Muhammad Azmi Farih
<code>total_estimated_hour_2_6_4_edited.diff</code>	12.7 KB	2015-05-04	Muhammad Azmi Farih