

## Redmine - Feature #23954

### Shows the date of the last activity on Projects administration.

2016-09-28 22:02 - Frederico Camara

<b>Status:</b>	Resolved	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Marius BĂLTEANU	<b>% Done:</b>	0%
<b>Category:</b>	Projects	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	6.0.0		
<b>Resolution:</b>	Fixed		

#### Description

On Administration > Projects, it shows the date of the last activity on each project. Helps the admin to decide when to close or archive stale projects.

#### Related issues:

Related to Redmine - Patch #13696: Projects admin, show issues count	<b>New</b>	
Related to Redmine - Feature #29482: Query system for Projects page	<b>Closed</b>	
Related to Redmine - Feature #805: Allow projects view to be sorted by activity	<b>New</b>	<b>2008-03-07</b>
Related to Redmine - Feature #3099: Last activity time window.	<b>New</b>	<b>2009-04-02</b>

#### Associated revisions

##### Revision 22811 - 2024-05-03 15:14 - Marius BĂLTEANU

Adds the date of the last activity to the list of available columns for Projects (#23954).

Patch by Frederico Camara (@fredsdc) and Marius BĂLTEANU (@marius.balteanu).

#### History

##### #1 - 2016-12-25 13:47 - Go MAEDA

- File screenshot-23954.png added

This is a screenshot of the feature.

## Projects

[+ New project](#)

#### Filters

Status :  Project:

Project	Public	Created	Last activity	
Private child of eCookbook		07/19/2006	12/05/2016	<a href="#">Archive</a> <a href="#">Copy</a> <a href="#">Delete</a>
eCookbook	✓	07/19/2006	12/25/2016	<a href="#">Archive</a> <a href="#">Copy</a> <a href="#">Delete</a>
▶ eCookbook Subproject 1	✓	07/19/2006	11/23/2016	<a href="#">Archive</a> <a href="#">Copy</a> <a href="#">Delete</a>

But it should be considered that processing when event variable is nil in the following code. It causes undefined method `[]' for nil:NilClass error at the next line.

```
def last_activity(project)
  event = Redmine::Activity::Fetcher.new(User.current, :project => project).events(nil, nil, :limit => 1)[0]
  bydebug
  event[:updated_on].nil? ? event[:created_on] : event[:updated_on]
end
```

##### #2 - 2017-01-01 04:50 - Yuuki NARA

+1

##### #3 - 2017-01-02 14:11 - Frederico Camara

- File last\_activity-1.patch added

Go Maeda,

Thank you for your reply. I had already patched production (<https://github.com/fredsdcd/redmine/tree/3.2-patched>), and I forgot I had posted the patch to Redmine.org. Fixed it again today to call last\_activity function only once.

It now returns the project creation date if there is no activity in the project.

**#4 - 2017-01-15 09:23 - Go MAEDA**

- *Target version set to Candidate for next major release*

Thank you for updating the patch. It works fine, looks good to me.

**#5 - 2017-01-24 06:10 - Go MAEDA**

- *Related to Patch #13696: Projects admin, show issues count added*

**#6 - 2017-01-24 06:23 - Go MAEDA**

- *Target version changed from Candidate for next major release to 3.4.0*

Although Jean-Phillipe Lang wrote on [#13696#note-7](#) as follows, last activity is very useful to maintenance projects.

We'll add this as an optional column when the project list will be made configurable (like the issue list).

In my opinion, "Last activity" is far more useful information than "Created".  
Could this be a part of 3.4.0?

**#7 - 2017-01-25 12:49 - Robert Schneider**

Go MAEDA wrote:

In my opinion, "Last activity" is far more useful information than "Created".

That's true!

+1

**#8 - 2017-01-29 12:05 - Jean-Philippe Lang**

- *Target version changed from 3.4.0 to Candidate for next major release*

Go MAEDA wrote:

In my opinion, "Last activity" is far more useful information than "Created".

I'm not saying that this information is not usefull. It generates dozens of SQL queries and can make the project list really slow. We'll make this information available once the project list can be configured, but we can't add it by default now.

**#9 - 2017-02-01 19:42 - Frederico Camara**

Jean-Philippe Lang wrote:

I'm not saying that this information is not usefull. It generates dozens of SQL queries and can make the project list really slow. We'll make this information available once the project list can be configured, but we can't add it by default now.

My thoughts exactly. I got it in production here and if you have dozens of projects, it generates lots and lots of queries. I kept it because it is just so useful, but with 400 projects and near 2000 issues, opening the admin projects page takes near 22 seconds.

I'm studying how to better query the database. Redmine::Activity::Fetcher only uses projects as filters. I would need to construct a table with each project id and its last activity using just a few SQL queries.

**#10 - 2018-03-08 18:55 - Frederico Camara**

- *File last\_activity-2.r3.3.patch added*

- *File last\_activity-2.r3.4.patch added*

I have a new patch. I added a new option to the fetcher library, if set, the result is a hash { project\_id -> last\_activity }, that I use in the view.

Summarizing I reduced the queries to one per event type, which takes now a fraction of a second to complete.

**#11 - 2018-03-09 22:10 - Frederico Camara**

- File `last_activity-3.r3.3.patch` added
- File `last_activity-3.r3.4.patch` added

I fixed a bug, and moved some code from the helpers to the controllers. I also had an idea how to always show some activity as Feature [#3099](#).

**#12 - 2018-09-16 13:45 - Marius BĂLTEANU**

- Related to Feature [#29482](#): Query system for Projects page added

**#13 - 2019-09-21 06:02 - Yuuki NARA**

- File `23954-trunk-note11.png` added

It worked on Redmine trunk with the same changes. note-11

Attach a screen copy of my environment.

Last activity is not displayed for projects with 0 tickets.

However, as it can be seen from the Created column, I think that it is enough as it is.

The screenshot shows the Redmine Projects page. At the top, there are filters for Status (set to 'active') and Project. Below the filters is a table with the following columns: Project, Public, Created, Last activity, and actions (Archive, Copy). The 'Last activity' column is highlighted with a blue box. The table contains several rows of project data, including 'G', 'F', 'S', 'issue3', 'RedmineHistory', 'redminet15', and two 'redmineorgcopy' entries.

Project	Public	Created	Last activity	Archive	Copy
G		11/27/2018		Archive	Copy
> F		11/27/2018	10/22/2018	Archive	Copy
>> S		11/27/2018	01/19/2019	Archive	Copy
issue3		07/28/2018	08/03/2019	Archive	Copy
RedmineHistory	✓	01/02/2019	09/18/2019	Archive	Copy
redminet15		10/21/2018	11/13/2018	Archive	Copy
> redmineorgcopy-20181215	✓	12/15/2018	12/16/2018	Archive	Copy
> redmineorgcopy-20190815	✓	08/14/2019	08/27/2019	Archive	Copy

**#14 - 2019-09-21 11:58 - Marius BĂLTEANU**

I think we should add this column on top of [#29482](#).

**#15 - 2019-10-15 08:50 - Ryoji Takeuchi**

+1

**#16 - 2019-10-26 21:26 - Marius BĂLTEANU**

- File `0001-Adds-last-activity-column-to-projects-list.patch` added

Based on Frederico Camara work, I've created a patch that adds the "Last activity" column to the projects list.

Sorting by this column is not possible for now because I'm not sure how to implement it easily (the last activity date is calculated based on multiple tables). Any suggestion is welcome.

**#17 - 2019-10-26 21:43 - Marius BĂLTEANU**

- File `deleted (0001-Adds-last-activity-column-to-projects-list.patch)`

**#18 - 2019-10-26 21:45 - Marius BĂLTEANU**

- File `0001-Adds-last-activity-column-to-projects-list.patch` added

Slightly improved the patch in order to avoid some unnecessary joins when counting the number of results.

**#19 - 2019-10-26 23:13 - Marius BĂLTEANU**

- File deleted (0001-Adds-last-activity-column-to-projects-list.patch)

**#20 - 2019-10-26 23:15 - Marius BĂLTEANU**

- File 0001-Adds-last-activity-column-to-projects-list.patch added

**#21 - 2019-10-27 01:33 - Marius BĂLTEANU**

- Related to Feature #805: Allow projects view to be sorted by activity added

**#22 - 2020-01-05 11:12 - Marius BĂLTEANU**

- File deleted (0001-Adds-last-activity-column-to-projects-list.patch)

**#23 - 2020-01-05 11:24 - Marius BĂLTEANU**

- File 0001-Adds-last-activity-column-to-projects-list.patch added

- Category changed from Administration to Projects

- Assignee set to Jean-Philippe Lang

- Target version changed from Candidate for next major release to 4.2.0

Updated the patch for current trunk.

@Jean-Philippe, I'm assigning to you in order to:

- review the changes proposed by Frederico Camara to activity fetcher
- check for any solution to enable projects sorting by last activity date

**#24 - 2020-03-29 13:58 - Toshi MARUYAMA**

- Related to Feature #3099: Last activity time window. added

**#25 - 2020-04-05 12:17 - Marius BĂLTEANU**

- File deleted (0001-Adds-last-activity-column-to-projects-list.patch)

**#26 - 2020-04-05 12:17 - Marius BĂLTEANU**

- File 0001-Adds-last-activity-column-to-projects-list.patch added

Updated the patch to apply cleanly on the current trunk.

**#27 - 2021-03-23 21:47 - Marius BĂLTEANU**

- Target version changed from 4.2.0 to 5.0.0

**#28 - 2021-04-21 16:12 - zumo de vidrio**

Can you please share the SQL query or API request in order to get the last activity date of every project ?

**#29 - 2021-04-22 00:28 - Frederico Camara**

zumo de vidrio wrote:

Can you please share the SQL query or API request in order to get the last activity date of every project ?

As a hash:

```
Redmine::Activity::Fetcher.new(User.current).events(nil, nil, :last_by_project => true).to_h
```

**#30 - 2022-03-20 23:35 - Marius BĂLTEANU**

- Target version changed from 5.0.0 to Candidate for next major release

**#31 - 2024-04-25 10:16 - Olivier Croquette**

I am trying to identify inactive projects in an instance that I am administrating. This feature would be very useful, but unfortunately it is not available in the releases. I have two questions:

- From the comments, I understand that the current implementation is too slow when there are many projects. Would it be possible to save the last project activity date when it happens, instead of trying to compute it on-demand? Retrieving it would be very quick then.

- In the current release, is there any other way to get the information?

### #32 - 2024-04-25 14:35 - Frederico Camara

Olivier Croquette wrote in [#note-31](#):

- From the comments, I understand that the current implementation is too slow when there are many projects. Would it be possible to save the last project activity date when it happens, instead of trying to compute it on-demand? Retrieving it would be very quick then.

My institution has 444 projects (active and archived in the database). When showing all projects, 500 projects per page, it takes less than 3 seconds to refresh the projects page that computes that information.

I don't think it's slow in the current implementation. My initial implementation (before comment [#23954-10](#)) was very slow.

- In the current release, is there any other way to get the information?

I can think of a few, using sql, rails console, the rest api, and the activities tab in each project. Not good alternatives.

### #33 - 2024-05-03 15:16 - Marius BĂLTEANU

- Status changed from New to Resolved

- Assignee changed from Jean-Philippe Lang to Marius BĂLTEANU

- Target version changed from Candidate for next major release to 6.0.0

The last activity date is now available as a column in Project query, I just committed the patch.

[Frederico Camara](#), did you find a way to make the column sortable? or should I take a look into this?

### #34 - 2024-05-03 15:16 - Marius BĂLTEANU

- Tracker changed from Patch to Feature

- Resolution set to Fixed

### #35 - 2024-05-05 18:37 - Frederico Camara

Marius BĂLTEANU wrote in [#note-33](#):

The last activity date is now available as a column in Project query, I just committed the patch.

[Frederico Camara](#), did you find a way to make the column sortable? or should I take a look into this?

Columns were not sortable in Admin > Projects in 4.x or 5.x. I'm yet to look into Redmine 6.0.

## Files

last_activity.patch	2.58 KB	2016-09-28	Frederico Camara
screenshot-23954.png	42.3 KB	2016-12-25	Go MAEDA
last_activity-1.patch	2.63 KB	2017-01-02	Frederico Camara
last_activity-2.r3.4.patch	4.34 KB	2018-03-08	Frederico Camara
last_activity-2.r3.3.patch	4.34 KB	2018-03-08	Frederico Camara
last_activity-3.r3.3.patch	4.95 KB	2018-03-09	Frederico Camara
last_activity-3.r3.4.patch	5.03 KB	2018-03-09	Frederico Camara
23954-trunk-note11.png	113 KB	2019-09-21	Yuuki NARA
0001-Adds-last-activity-column-to-projects-list.patch	10 KB	2020-04-05	Marius BĂLTEANU