

## Redmine - Feature #28952

### Update User#last\_login\_on only once per minute

2018-06-05 10:18 - Holger Just

|  |                    |                        |           |
|--|--------------------|------------------------|-----------|
| <b>Status:</b>   | Closed             | <b>Start date:</b>     |           |
| <b>Priority:</b>   | Normal             | <b>Due date:</b>       |           |
| <b>Assignee:</b>   | Jean-Philippe Lang | <b>% Done:</b>         | 0%        |
| <b>Category:</b>   | Performance        | <b>Estimated time:</b> | 0.00 hour |
| <b>Target version:</b>   | 4.0.0              |                        |           |
| <b>Resolution:</b>   | Fixed              |                        |           |
| <b>Description</b><br><p>On setups where a lot of logins happen (e.g. when heavily using the API with Basic Auth credentials), access to the @ users@ table can get contention due to the many parallel write queries to the table during each request as each request sets the last_login_on column of the user to the current date in User.try_to_login. This can result in deadlocks or general long lock waits on the database since all of these update queries will effectively be serialized per user.</p> <p>By updating the last_login_on column less often, we can drastically reduce this contention. The attached patch implements this by only updating the last_login_on column once per minute.</p> |                    |                        |           |
| <b>Related issues:</b>   |                    |                        |           |
| Related to Redmine - Defect #20648: Users' "Last connection" is not updated c...   |                    |                        | Closed    |
| Related to Redmine - Feature #29041: Update session token only once per minute   |                    |                        | Closed    |

#### Associated revisions

##### Revision 17403 - 2018-06-17 16:51 - Jean-Philippe Lang

Update User#last\_login\_on only once per minute and user to reduce DB lock contention on users table (#28952).

Patch by Holger Just.

#### History

##### #1 - 2018-06-05 13:31 - Go MAEDA

- Target version set to Candidate for next major release

##### #2 - 2018-06-05 15:25 - Pavel Rosický

nice catch!

I'm wondering if something like this could be also applied for verify\_session\_token - <https://github.com/redmine/redmine/blob/43d9bea7c5da32a99c3ebdb828e23d6a02c31c12/app/models/user.rb#L442> if Rails.application.config.redmine\_verify\_sessions is enabled, redmine updates user tokens on each request. These updates are at the top of our db monitoring.

##### #3 - 2018-06-06 03:00 - Go MAEDA

- Related to Defect #20648: Users' "Last connection" is not updated correctly. added

##### #4 - 2018-06-08 03:02 - Go MAEDA

- Target version changed from Candidate for next major release to 4.1.0

+1

Sometimes I also experience the same problem.

Setting target version to 4.1.0.

##### #5 - 2018-06-09 11:49 - Go MAEDA

- Category set to Performance

##### #6 - 2018-06-17 16:54 - Jean-Philippe Lang

- Status changed from New to Closed

- Assignee set to Jean-Philippe Lang
- Target version changed from 4.1.0 to 4.0.0
- Resolution set to Fixed

Patch committed, thanks.

Pavel Rosický wrote:

I'm wondering if something like this could be also applied for  
verify\_session\_token - <https://github.com/redmine/redmine/blob/43d9bea7c5da32a99c3ebdb828e23d6a02c31c12/app/models/user.rb#L442>  
if Rails.application.config.redmine\_verify\_sessions is enabled, redmine updates user tokens on each request. These updates are at the top or  
our db monitoring.

Please fill a separate issue so we can keep track of that.

**#7 - 2018-06-17 20:00 - Pavel Rosický**

done [#29041](#)

**#8 - 2018-06-17 20:43 - Marius BĂLTEANU**

- Related to Feature #29041: Update session token only once per minute added

**Files**

|   |         |            |             |
|---|---------|------------|-------------|
| 0001-Update-User-last_login_on-only-once-per-minute-and-u.patch | 1.45 KB | 2018-06-05 | Holger Just |
|---|---------|------------|-------------|