

## 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>			
<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 contented due to the many parallel write queries to the table during each request as each requests 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 ...		<b>New</b>	
Related to Redmine - Feature # 29041: Update session token only once per minute		<b>New</b>	

#### 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 BALTEANU**

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

**Files**

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