

## Redmine - Defect #14446

### Public project and Redmine.pm "Use of use of uninitialized value \$salt" error for empty username access via TortoiseSVN

2013-07-12 10:41 - Иван Бухтияров

<b>Status:</b>	New	<b>Start date:</b>	
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	SCM extra	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Affected version:</b>	2.3.1
<b>Resolution:</b>			
<b>Description</b>			
<p>I installed new version of Redmine on my Ubuntu server a couple days ago. I properly configured Apache for correct working Subversion with Redmine. I created public project. But when I try to commit some files in this project without entering username (it is simply empty) in TortoiseSVN dialog on local machine I get the following error:</p> <pre>Error: Commit failed (details follow): Error: Server sent unexpected return value (500 Internal Server Error) in response to Error: MKACTION request for '/svn/mmm/!svn/act/008182d9-97ee-2740-9a75-5c734c292d4c' ".</pre> <p>The following string in error.log of Apache:</p> <pre>Use of uninitialized value \$salt in concatenation (.) or string at line 471 Redmine.pm.</pre> <p>This line from Redmine.pm is:</p> <pre>my \$salted_password = Digest::SHA::sha1_hex(\$salt.\$pass_digest);</pre> <p>If I uncheck "Public" to this project everything is ok. In this case TortoiseSVN let me authenticate repeatedly in SVN from one dialog window (if I enter empty or incorrect credentials) What is the problem?</p>			

## History

### #1 - 2014-10-24 15:18 - Johannes Wienke

This bug still exists in recent redmine versions and can also be triggered with git.

In case you use a .netrc file for authentication and omit the login fragment for the host, you end up in the exact same situations.

From a brief look at the Redmine.pm source code, I see two things:

1. authen\_handler needs to ensure that \$r->user is not empty
2. is\_member needs to shield against empty values

### #2 - 2015-04-20 11:07 - Wim Bertels

Feedback, redmine version 1.4.4

Anonymous checkouts of public projects over http(s):

- svn: ok

- git: nok
- client error message

error: RPC failed; result=22, HTTP code = 500  
fatal: The remote end hung up unexpectedly

- server error message

Use of uninitialized value \$salt in concatenation (.) or string at /usr/lib/perl5/Apache/Redmine.pm line 358

### #3 - 2015-05-19 13:37 - Florian Schmidt

- File `catch_empty_auth_fields.patch` added

I ran into the same issue recently.

While the bug could be fixed by catching uninitialized return values in `is_member()`, I agree with what Johannes said: `authen_handler()` should already ensure that `$r->user` is not empty, and furthermore, it should probably also ensure `$redmine_pass` isn't empty, either. This is also strongly suggested by [the authors of this O'Reilly book](#):

*If the user has not yet authenticated, or pressed the submit button without filling out the dialog completely, one or both of these fields may be empty. In this case, we have to force the user to (re)authenticate*

I just assumed they knew what they were talking about, and applied their approach to `authen_handler` in `Redmine.pm`, and attached a patch. This fixes the crashing of `Redmine.pm`, the resulting 500 Internal Server Error (on Apache), and simply re-requests credentials.

Caveat: I have a bit of experience with Perl, but no experience whatsoever with writing `mod_perl` modules. The patch seems quite straightforward, though.

#### Files

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<code>catch_empty_auth_fields.patch</code>	491 Bytes	2015-05-19	Florian Schmidt
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