Wt - Support #2997

Token hash collision

04/25/2014 10:05 AM - Евгений Илюшин

Status:	Feedback		**Start date:**	04/25/2014
Priority:	Normal		**Due date:**	
Assignee:	Koen Deforche		**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:				

Description

Hi, in my server very often there is an exception "Wt: error during event handling: Token hash collision", after this query

```
select u."id", u."version", u."user_ref", u."password_hash", u."password_method", u."password_salt
", u."status", u."failed_login_attempts", u."last_login_attempt", u."email", u."unverified_email",
 u."email_token", u."email_token_expires", u."email_token_role" from "auth_info" u join "auth_iden
tity" i on u.id = i.auth_info_id where (i.provider = $1) and (i.identity = $2)
update "auth_info" set "version" = $1, "user_ref" = $2, "password_hash" = $3, "password_method" =
$4, "password_salt" = $5, "status" = $6, "failed_login_attempts" = $7, "last_login_attempt" = $8,
"email" = $9, "unverified_email" = $10, "email_token" = $11, "email_token_expires" = $12, "email_t
oken_role" = $13 where "id" = $14 and "version" = $15
select count(1) from "auth_token"  where (value = $1)
```

This only happens when the "Remember me" is selected.

Afte clean table auth_token work excellent.

Sometimes I have to clean cookies.

How to avoid this error ?

History

#1 - 04/29/2014 05:18 PM - Koen Deforche

- Status changed from New to Feedback

- Assignee set to Koen Deforche

Hey,

Either there's a programming error or the hashing function you are using is not well configured. What hashing function do you use and how long are the tokens that you allow? A hash collision should be extremely rare provided the hashing function and random generator are good and the tokens are sufficiently long? How many tokens do you have in the database when this occurs?

Regards,

koen

#2 - 04/30/2014 05:32 PM - Евгений Илюшин

In auth_token more 50 records by authInfo id

I make this query to remove all old token after connect.

```
dbo::Transaction transaction(session_);
dbo::ptr<AuthInfo> authInfo = users_->find(login_.user());
session_.execute("delete from auth_token where auth_info_id = ? and id not in (select id from auth_token where
 auth_info_id = ? order by expires desc limit 1)").bind(authInfo.id()).bind(authInfo.id());
```

And now i do't have token collisions !

I think it's not the best resolve :)

#3 - 05/16/2014 10:55 AM - Евгений Илюшин

Hi !

I got a new problem.

Users was saved session, open web page logged to another users !

How could this happen ?

#4 - 05/16/2014 11:08 AM - Koen Deforche

Hey,

This all sounds suspect. I have no explanation for any of this, but what version of Wt are you using, in fact?

And what database?

Regards,

koen

#5 - 05/16/2014 12:25 PM - Евгений Илюшин

Version from 28-11-2013 Wt-3.3.0-rc3

Database Postgre SQL 9.0.10

I got a reverse side this problem, after open web site, user sees a white page, in the log file had record "Wt: fatal error: Query: resultValue(): more than one result" if cleaned the cookies and press F5 web page will load normal.

#6 - 05/16/2014 06:05 PM - Koen Deforche

Hey,

Wt version 3.3.0 indeed did not clean cookies, this has since been implemented (see #1763).

Nevertheless I would not expect to see these problems --- unless your cookie id's are really short?

Btw. Wt-3.3.0-rc3 is from April 2013, not November?

Regards,

koen