

BEEM - Android XMPP - Bug #472

Failed to login - error in SASL authentication

12/30/2012 10:03 AM - Anonymous

Status:	Assigned	Start date:	12/30/2012
Priority:	Normal	Due date:	
Assignee:	Frédéric Barthéléry	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	0.1.9	Locale:	
Affected version:	hg		
Description			
<p>I'm unable to login with current hg version (1009:c76a6e4b37cf) of Beem. Login works fine with version 0.1.7 (or hg version up to 988:586e34fc7594) and stops working with 994:87c97dcb7136 (I'm unable to build anything inbetween).</p> <p>Error is probably caused by invalid SASL response. Bellow are decoded base64 SASL challenge/response messages, the only visible difference is in <i>digest-uri</i> field.</p> <p>V0.1.7: (works)</p> <pre>username="master_up",realm="njs.netlab.cz",cnonce="...",nc=00000001,qop=auth,digest-uri="xmpp/njs.netlab.cz",response=...,charset=utf-8,nonce="..."</pre> <p>HG version (does not authenticate)</p> <pre>username="master_up",realm="njs.netlab.cz",cnonce="...",nc=00000001,qop=auth,digest-uri="xmpp/lb1-hap.jabbim.cz",response=...,charset=utf-8,nonce="..."</pre> <p>I have no idea where the string 'lb1-hap.jabbim.cz' comes from.</p>			
Related issues:			
Has duplicate Bug #489: digest-uri wrong when using separate server			New 03/25/2013

History

#1 - 12/31/2012 12:58 AM - Frédéric Barthéléry

- Status changed from New to Assigned
- Assignee set to Frédéric Barthéléry

The digest-uri field is computed with the hostname you specified when creating the connection.
lb1-hap.jabbim.cz is the server providing the xmpp service of jabbim.cz.

You should check your connection info (jid, specific server settings, proxy) as it appears you are connecting to netlab.cz server but try to authenticate with a user@jabbim.cz jid. (or the opposite)

If you can debug the code a little, you should check the mConnectionConfiguration field of [source:src/com/beem/project/beem/BeemService.java](https://source.srcom.beem/project/beem/BeemService.java)

#2 - 01/07/2013 06:27 PM - J Pinkava

Thanks a lot for a hint!

If I change proper line to:

```
mConnectionConfiguration = new ConnectionConfiguration(mService, mPort, mService, mProxyInfo);
```

```
(mService == "njs.netlab.cz")
```

it starts working again, it looks like ConnectionConfiguration does some DNS magic (see documentation) when invoked as:

```
ConnectionConfiguration(mService, mProxyInfo);
```

I have tried some other XMPP clients and all work fine and use "njs.netlab.cz" as digest-uri. Have you any suggestions what to do and what is really wrong?

What is strange (and probably a bug in initConnectionConfig()) is that setting explicitly host in config does not help. I guess that if-ing/parenthesis are wrong and new at line src/com/beem/project/beem/BeemService.java:190 overrides new at linesrc/com/beem/project/beem/BeemService.java:

171 (new is called twice).

<http://www.igniterealtime.org/builds/smack/docs/latest/javadoc/org/jivesoftware/smack/ConnectionConfiguration.html>

#3 - 01/07/2013 09:42 PM - Frédéric Barthéléry

J Pinkava wrote:

What is strange (and probably a bug in `initConnectionConfig()`) is that setting explicitly host in config does not help. I guess that if-ing/parenthesis are wrong and new at line `src/com/beem/project/beem/BeemService.java:190` overrides new at `linesrc/com/beem/project/beem/BeemService.java: 171` (new is called twice).

It is a bug indeed. I just refactor this part in commit [3f4c77587fb9](#). Can you please test it and see if you got better result ?

#4 - 01/07/2013 09:55 PM - Frédéric Barthéléry

I think I found the bug.

SASLAuthentication use `getHost()` instead of `getServiceName()` which breaks DIGEST-MD5
<https://github.com/Flowdalic/smack/commit/ce1c4679c2bcb92e1e523ea6889ae1f6d09197ad>
<https://github.com/Flowdalic/smack/commit/d08903a89208e95f9e49cd7bbf6bc3fa0bd82e5d>

I have to see with asmack upstream how to fix it properly.

#5 - 01/08/2013 04:02 PM - J Pinkava

Now I can login when server (host) is explicitly set. Thanks for fixing.

As about the digest/host SASL issue it still remains.

#6 - 03/26/2013 06:02 PM - Frédéric Barthéléry

- Target version set to 0.1.9

#7 - 03/27/2013 06:16 PM - Florian Schmaus

Related SMACK Bug: SMACK-344 (<http://issues.igniterealtime.org/browse/SMACK-344>)