Redmine - Defect #27071

Error testing LDAPS Connection: "Unable to connect (hostname X.X.X.X does not match the server certificate)"

2017-09-25 15:46 - Carlos Simó

Status:	Closed		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:	LDAP		**Estimated time:**	0.00 hour
Target version:				
Resolution:	Fixed		**Affected version:**	3.2.1

Description

I've migrated from a 2.4.2 Redmine server to a new 3.2.1.
Everything is working OK but failing to test LDAPS (LDAP + SSL) connections (LDAP connections ~~without SSL~~ are working OK).
I've tested with different users and different LDAP servers and always get the same result: auth_source form shows an error message: "Unable to connect (hostname X.X.X.X does not match the server certificate)".
I've not found relevant info in production.log file:

```
Started PATCH "/auth_sources/8" for 172.19.12.124 at 2017-09-25 12:46:16 +0200
Processing by AuthSourcesController#update as HTML
  Parameters: {"utf8"=>"✓", "authenticity_token"=>"Fa1QoVLFef+zngYYwypUipDda1/c0Yh0mqqGmtWThvA0D2z
NmqqeDLiGUwN0pwgTWfklBjrZ73G4KpDo/53qTA==", "auth_source"=>{"name"=>"OpenLdap", "host"=>"X.X.X.X",
 "port"=>"636", "tls"=>"1", "account"=>"uid=xxxxxxx,ou=xxxxxx,dc=xxxxx,dc=xx", "base_dn"=>"ou=xxxx
xx,dc=xxxxxx,dc=xx", "filter"=>"", "timeout"=>"", "onthefly_register"=>"0", "attr_login"=>"sAMAcco
untName", "attr_firstname"=>"", "attr_lastname"=>"", "attr_mail"=>""}, "dummy_password"=>"[FILTERE
D]", "commit"=>"Save", "id"=>"8"}
  SQL (4.3ms)  UPDATE `tokens` SET `tokens`.`updated_on` = '2017-09-25 12:46:16' WHERE `tokens`.`u
ser_id` = 1 AND `tokens`.`value` = '932b09e00f3e76cd17f3b9b92f4dfacc77b0b3c2' AND `tokens`.`action
` = 'session' AND (created_on > '2017-09-24 12:46:16.911570') AND (updated_on > '2017-09-25 00:46:
16.911805')
   (0.3ms)  SELECT MAX(`settings`.`updated_on`) FROM `settings`
  User Load (0.3ms)  SELECT  `users`.* FROM `users` WHERE `users`.`type` IN ('User', 'AnonymousUse
r') AND `users`.`status` = 1 AND `users`.`id` = 1 LIMIT 1
  Current user: admin (id=1)
  AuthSource Load (0.2ms)  SELECT  `auth_sources`.* FROM `auth_sources` WHERE `auth_sources`.`id`
= 8 LIMIT 1
   (0.1ms)  BEGIN
  AuthSource Exists (0.3ms)  SELECT  1 AS one FROM `auth_sources` WHERE (`auth_sources`.`name` = B
INARY 'OpenLdap' AND `auth_sources`.`id` != 8) LIMIT 1
  SQL (0.2ms)  UPDATE `auth_sources` SET `port` = 636, `tls` = 1 WHERE `auth_sources`.`id` = 8
   (1.2ms)  COMMIT
Redirected to https://<my_server>/auth_sources
Completed 302 Found in 15ms (ActiveRecord: 6.8ms).
```

I've tested from SSL connections with openssl to LDAP connection with ldapsearch, and it not seems to be anything wrong.
Using the same users credentials and the same server connections (early configured into Redmine), with ldapseach goes everything OK.

Data about my environment:

root@asscc111s:/usr/share/redmine# ruby bin/about

```
Environment:
  Redmine version                3.2.1.stable
  Ruby version                   2.3.1-p112 (2016-04-26) [x86_64-linux-gnu]
  Rails version                  4.2.6
  Environment                    production
  Database adapter               Mysql2
SCM:
  Git                            2.7.4
  Filesystem
```

```
Redmine plugins:
  no plugin installed
```

root@asscc111s:/usr/share/redmine# mysql -V
mysql Ver 14.14 Distrib 5.7.19, for Linux (x86_64) using EditLine wrapper

Finally, all installed over a Ubuntu Server 16.04.

Related issues:	
Related to Redmine - Patch #29606: Support self-signed LDAPS connections	**Closed**

History

#1 - 2017-09-25 17:08 - Toshi MARUYAMA

- Description updated

#2 - 2017-09-25 17:19 - Toshi MARUYAMA

It seems related:

- https://github.com/ruby-ldap/ruby-net-ldap/issues/258
- https://github.com/ruby-ldap/ruby-net-ldap/pull/279
- https://stackoverflow.com/questions/9199660/why-is-ruby-unable-to-verify-an-ssl-certificate#9238221

#3 - 2017-10-19 09:08 - Boris B

Same problem with Redmine 3.2.3 on Ubuntu 16.10. For info, I'm also using Rhodecode on the same server which has no problem to connect to the LDAPS.

OpenSSL s_client also works after putting the LDAP certificate in /etc/ssl/certs/ca-bundle.crt.

This is really an issue for us since we want to use the same company accounts for Git and Redmine.

#4 - 2017-10-19 14:48 - Mischa The Evil

Just my two cents on this matter: this is something that might be solved by the upgrade of the net-ldap gem to 0.16 in r16773 for #24970, which is going to be shipped with the upcoming Redmine 4.0.0 release.

#5 - 2017-10-20 09:59 - Boris B

I updated net-ldap gem to 0.16 and it did not fix the issue.

#6 - 2018-09-13 15:59 - Holger Just

- Related to Patch #29606: Support self-signed LDAPS connections added

#7 - 2018-10-02 16:48 - Go MAEDA

- Status changed from New to Closed

- Priority changed from High to Normal

- Resolution set to Fixed

You will be able to disable a certificate check in upcoming Redmine 4.0.0. See #29606 for details.