

LDAP search and bind errors

Posted by Teitur Haraldsson - 2010/05/14 05:29

I have the following error in the "messages" log repeatedly.

Does anyone know this one?

May 12 19:22:03 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 12 19:35:42 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 12 19:35:42 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 12 19:35:42 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 12 19:35:42 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 12 19:35:42 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 12 19:35:42 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 12 19:35:42 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 12 19:35:42 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 12 19:35:42 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 12 19:35:42 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 12 19:35:42 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 12 19:35:42 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 12 19:35:42 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 12 19:35:42 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 12 19:35:42 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 12 19:35:42 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 12 19:35:42 mydomain hald: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP se...

May 12 19:35:42 mydomain hald: nss_ldap: could not search LDAP server - Server is unavailable...

May 12 19:35:42 mydomain hald: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP se...

May 12 19:35:42 mydomain hald: nss_ldap: could not search LDAP server - Server is unavailable...

May 12 19:35:44 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 12 19:35:44 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 12 19:35:44 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost:

Posted by Karel De Stomme - 2010/05/14 07:03

Adding monitoring in crontab checking if services are running fine are imperative to my opinion.

=====

Re: LDAP search and bind errors

Posted by Teitur Haraldsson - 2010/05/14 08:58

Thank you for your help.

It seems fine.

```
# service ldap restart
```

```
Stopping slapd:
```

```
Starting slapd:
```

=====

Re: LDAP search and bind errors [bug]

Posted by nuke - 2010/05/14 16:52

I came across this error today while trying to get netatalk running.

I get the same error.

It appears that this is a know issue in the Redhat/CentOS community. Please see bugs:

Fedora closed even though still open at Redhat

Bug 502072

Bug 182464 and Bug 186527

It looks like the easiest fix to this is to start ldap earlier in the startup.

In particular look at comment 67 and 68.

I'm a bit too much of a newbie to know what this is all about but I think I will manually change the /etc/rc.d/init.d/ldap file to show the change in Comment 68. What I don't know is how to get this change to propagate into the various runlevels (if that is what it is supposed to do) and how to make sure that this change gets reflected with any updates coming down the pipe via the normal ClearOS updates.

Thanks in advance for any help and suggestions.

=====

Re: LDAP search and bind errors [bug]

Posted by nuke - 2010/05/14 17:00

I guess my assumption was that you were restarting your server.

If not then the following seems to work for me.

```
]# ldapsync  
]# service ldap restart
```

Re: LDAP search and bind errors [bug]

Posted by Teitur Haraldsson - 2010/05/14 19:15

Nope, this is happening every so often. No directly related to restarts.

```
# ldapsync  
running full LDAP synchronization  
restarting LDAP server  
Stopping slapd:  
Starting slapd:  
restarting authentication server  
Stopping saslauthd:  
Starting saslauthd:  
synchronizing configuration  
synchronizing daemons with domain mydomain.lan  
synchronizing Samba file and print services  
Shutting down SMB services:  
Starting SMB services:  
synchronizing Samba netbios services  
Shutting down NMB services:  
Starting NMB services:  
synchronizing POP/IMAP mail  
Shutting down cyrus-imapd:  
Exporting cyrus-imapd databases:  
Importing cyrus-imapd databases:  
Starting cyrus-imapd:  
synchronizing SMTP mail  
Reloading postfix:  
synchronizing webmail  
synchronizing web proxy  
synchronizing FTP  
Reloading proftpd:  
synchronizing antivirus  
# service ldap restart  
Stopping slapd:  
Starting slapd:
```

Seems to work.
But Ill keep an eye on the logs.
Thank you.

=====

Re: LDAP search and bind errors [bug]

Posted by Teitur Haraldsson - 2010/05/15 08:41

Now the logs are clean when the server is running.
But this error still comes during boot.

So I guess I have to implement "nukes" solution.
Change the chkconfig line in /etc/rc.d/init.d/slapd to read:

```
# chkconfig: - 12 73
```

Then do:

```
# chkconfig --del slapd  
# chkconfig slapd on
```

This ensures slapd starts after networking and before anything that hangs without it.

Is this command OK for ClearOS?

```
May 14 19:38:22 mydomain smbd: nss_ldap: could not search LDAP server - Server is unavailable...  
May 14 20:33:34 mydomain smbd: nss_ldap: could not search LDAP server - Server is unavailable...  
May 15 02:12:14 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost:  
Can't contact LDAP s...  
May 15 02:12:14 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is  
unavailable...  
May 15 02:12:14 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost:  
Can't contact LDAP s...  
May 15 02:12:14 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is  
unavailable...  
May 15 02:12:14 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost:  
Can't contact LDAP s...  
May 15 02:12:14 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is  
unavailable...  
May 15 02:12:14 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost:  
Can't contact LDAP s...  
May 15 02:12:14 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is  
unavailable...  
May 15 02:12:14 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost:  
Can't contact LDAP s...  
May 15 02:12:14 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is  
unavailable...  
May 15 02:12:14 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost:  
Can't contact LDAP s...  
May 15 02:12:14 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is
```

unavailable...

May 15 02:12:14 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 15 02:12:14 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 15 02:12:14 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 15 02:12:14 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 15 02:12:14 mydomain hald: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP se...

May 15 02:12:14 mydomain hald: nss_ldap: could not search LDAP server - Server is unavailable...

May 15 02:12:14 mydomain hald: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP se...

May 15 02:12:14 mydomain hald: nss_ldap: could not search LDAP server - Server is unavailable...

May 15 02:12:16 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 15 02:12:16 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 15 02:12:16 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 15 02:12:16 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 15 02:12:16 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 15 02:12:16 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 15 02:12:16 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 15 02:12:16 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 15 02:12:16 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 15 02:12:16 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 15 02:12:16 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 15 02:12:16 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 15 02:12:16 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 15 02:12:16 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

May 15 02:12:16 mydomain dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP s...

May 15 02:12:16 mydomain dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable...

=====

Re: LDAP search and bind errors [bug]

Posted by nuke - 2010/05/15 16:50

Teitur, please check a few things. I got confused when reading the recommended solution and maybe you did the same thing that I did. By mistake I put those lines into the slapd file.

I think this is OK to do on ClearOS because it is a CentOS/RedHat derivative. Also, I found the same issue on each website that reports bugs. You can see it by doing a Google search on: "dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP server"

I think that we are supposed to do:

1) The first part of that solution is to make a change in line that shows chkconfig: in the /etc/rc.d/init.d/slapd.

Then you have to save that file. If you don't do the next two lines, you won't change the boot order of ldap so the fix won't work.

2) Finally as root type the other two lines on the command line. The "chkconfig --del slapd" removes all the slapd from all the rc.d/init.d/ directories. ie. removes the slapd from the various runtime startups.

From the man page:

chkconfig --del name

The service is removed from chkconfig management, and any symbolic links in /etc/rc.d which pertain to it are removed.

The final line "chkconfig slapd on" puts the slapd back into the rc.d/init.d/ directories in the new start-up order. I think one could also type "chkconfig --level 345 slapd on". From what I read in the man this might be better. Anyone of the gurus please comment if this is correct.

3) Finally check that it is in the right runtimes by running:

chkconfig --list ldap

The clean install has

ldap 0:off 1:off 2:off 3:on 4:on 5:on 6:off

I hope this helps.

=====

Re:LDAP search and bind errors

Posted by John Terpstra - 2010/05/18 23:28

Have you checked to see if the LDAP server is dying, or perhaps can not be reached because it is too busy searching or trying to answer earlier queued requests?

Find out if LDAP is running by executing:

service ldap status

If LDAP is running, verify that nss_ldap can communicate with it by executing:
getent passwd

If this returns the list of users that are in LDAP (non system accounts), the problem is most likely a problem with LDAP being overloaded, or has some other operational problem.

The above is a start to help you to diagnose where the problem may be. It is entirely likely that the solution will be simple once we can identify the cause.

Cheers,
John T.

=====

Re:LDAP search and bind errors

Posted by John Gorsky - 2010/05/19 11:09

Not to hijack the thread but I'm seeing a similar problem and running
getent passwd does show a list of non-system accounts. I'll be following along to see how this plays out
for Teitur.

=====

Re:LDAP search and bind errors

Posted by Teitur Haraldsson - 2010/05/19 23:47

Im to much of a chicken to try Nuke's fix. And im not sure that will fix these errors except the boot time
errors...?

Anyway, these specific errors seem to be fixed, by adding
server 0.europe.pool.ntp.org
server 1.europe.pool.ntp.org
server 2.europe.pool.ntp.org
server 3.europe.pool.ntp.org

to ntp.conf in /etc

Can you please try this (and restart the ntp service) with your server John, I would love to know if this
was simply the case.

But now im getting this error every 5 minutes.

May 20 03:15:03 mydomain saslauthd: Retrying authentication
May 20 03:20:02 mydomain saslauthd: Retrying authentication
May 20 03:25:02 mydomain saslauthd: Retrying authentication
May 20 03:30:03 mydomain saslauthd: Retrying authentication
May 20 03:35:02 mydomain saslauthd: Retrying authentication
May 20 03:40:02 mydomain saslauthd: Retrying authentication

=====
Re:LDAP search and bind errors

Posted by John Gorsky - 2010/05/21 10:39

I haven't tried anything as yet but how did we get from ldap to ntp? Maybe I missed something. Hopefully I can spend a little time on this next week and go over the links Nuke posted.

=====

Re:LDAP search and bind errors

Posted by John Gorsky - 2010/05/27 08:36

I finally got around to looking at the stuff Nuke posted and while it doesn't seem to apply to ClearOS directly I gave it a shot just to see. First on my box there is no /etc/rc.d/init.d/slapd but rather /etc/rc.d/init.d/ldap so tried making the changes to that file. I'm not an expert on this start up stuff but it seems as if the line we are to change is actually a comment so I'm not sure how changing that line makes a difference.

After the change I went through the other steps listed to get the timing all registered. BTW, when comments 67 & 68 were mentioned above I assume we were referring to the Red Hat Bugzilla – Bug 186527 page - hope that's right.

The change didn't seem to fix much but did generate more errors:

```
... dbus-daemon: nss_ldap: could not search LDAP server - Server is unavailable
... dbus-daemon: nss_ldap: failed to bind to LDAP server ldap://localhost: Can't contact LDAP server
```

So, I switched things back.

I originally started looking into this since browsing the network can be rather slow. Users complained that they couldn't always see the server so I thought there may be some connection between that and the errors I was seeing.

Teitur, unfortunately I don't think my experiment has helped you out much. I'm a little bit over my experience level here so if anyone has some thoughts I'd love to hear them.

John

=====

Re:LDAP search and bind errors

Posted by nuke - 2010/05/27 09:15

Hi John.

The change is made in the ldap config file. slapd is the daemon that is run. The idea of the change is to allow ldap to restart earlier so it is found by the other processes.

You may wish to also look at saslauthd: Retrying authentication

I added the "/" to the end of the line mentioned in both the template (located at /etc/openldap/templates/saslauthd.conf.template) and the /etc/saslauthd.conf files. Then did a service ldap restart.

Now I will see if the error disappears and report back.

=====

Re:LDAP search and bind errors

Posted by nuke - 2010/05/27 10:46

Well that didn't fix anything.

It would appear from the following linkClarkconnect Bug ID 733 that the issue is still outstanding.

I'll continue to do some searching.

=====

Re:LDAP search and bind errors

Posted by lunzet - 2010/07/10 17:38

Any News on this?

=====

Re:LDAP search and bind errors

Posted by Shrenik Bhura - 2010/08/05 07:52

nuke, john, teitur,

Not entirely a solution but this tip may be helpful in debugging -

Not sure if you made this change to your /etc/init.d/sshd

```
# chkconfig: 2345 26 74
```

instead of

```
# chkconfig: 2345 55 25
```

and re-chkconfig'ed the sshd service.

This helped me investigate things better by allowing me to ssh into the system and watch the logs while ldapsync i.e. the kolab service is started just after ldap. This service used to take a lot of time for me to start and during this time we had no choice but to merely wait until I made the above change.

I am also seeing a lot of these messages in my messages logs.

=====

Re:LDAP search and bind errors

Posted by lunzet - 2010/09/15 19:10

So any News on any kind of workaround for this issue?

=====

Re:LDAP search and bind errors

Posted by Chris_D - 2010/11/21 11:30

I'm seeing this issue and wondered if anyone had found a solution. Thanks Chris

=====

Re:LDAP search and bind errors

Posted by lelik - 2011/01/26 14:03

It would appear from the following BugId 733 that the issue is still outstanding and the last update was 2009-02-22

=====

Re:LDAP search and bind errors

Posted by Kevin - 2011/09/08 21:53

Hello everyone,

After digesting this thread I think there are two issues going on here.

- 1.) The LDAP error occuring at boot up because the LDAP server is not running yet.
- 2.) nss_ldap and saslauthd error during normal operations (after boot up is complete).

I have two server running in a production environment and both are havving these issues. I am not so concerned about the boot up one but the other one is a problem.

Every ten minutes or so I get the error string:

Sep 8 18:30:01 server saslauthd: Retrying authentication
Sep 8 18:33:34 server smbd: nss_ldap: could not search LDAP server - Server is unavailable
Sep 8 18:33:40 server smbd: nss_ldap: could not search LDAP server - Server is unavailable
Sep 8 18:35:01 server saslauthd: Retrying authentication
Sep 8 18:38:10 server saslauthd: Retrying authentication
Sep 8 18:38:20 server saslauthd: Retrying authentication

I would really like to get this resolved.

Does anyone have any ideas?

Thank you in advance for your help.

KEvin

=====

Re:LDAP search and bind errors

Posted by Zuppo - 2011/11/16 08:44

Same situation here

Paul

=====

Re:LDAP search and bind errors

Posted by Paul - 2011/12/07 11:09

I have noticed I get these errors in my log. Should I be worried or just ignore them

Dec 7 15:10:01 fs1 saslauthd: Retrying authentication
Dec 7 15:15:02 fs1 saslauthd: Retrying authentication
Dec 7 15:20:01 fs1 saslauthd: Retrying authentication
Dec 7 15:22:00 fs1 saslauthd: Retrying authentication
Dec 7 15:22:00 fs1 saslauthd: Retrying authentication
Dec 7 15:25:02 fs1 saslauthd: Retrying authentication
Dec 7 15:30:01 fs1 saslauthd: Retrying authentication
Dec 7 15:35:02 fs1 saslauthd: Retrying authentication
Dec 7 15:40:02 fs1 saslauthd: Retrying authentication
Dec 7 15:45:02 fs1 saslauthd: Retrying authentication
Dec 7 15:50:02 fs1 saslauthd: Retrying authentication
Dec 7 15:55:02 fs1 saslauthd: Retrying authentication
Dec 7 16:00:02 fs1 saslauthd: Retrying authentication
Dec 7 16:05:01 fs1 saslauthd: Retrying authentication

=====

Re:LDAP search and bind errors

Posted by Kevin - 2011/12/07 14:40

I get them too. And I do have auth problems (delays, retries, etc) that I never been able to solve.

If the errors only occur at boot time it can be ignored.

If you find a cause please let me know.

Sorry I couldn't be more help.

Kevin

Re:LDAP search and bind errors

Posted by Teitur Haraldsson - 2012/02/27 19:32

I have been happily ignoring this problem since my last post, out of sight, out of mind. And now that has predictably bit me very hard on the ass!

Server now takes about one hour to boot, is slow and mostly unusable. If clearos support was not so very expensive I would buy some help from them.

Does anyone have any ideas???

Re:LDAP search and bind errors

Posted by Teitur Haraldsson - 2012/02/27 21:49

Problem was (amazingly) fixed by connecting the computer to the Internet. As it was the LDAP service that misbehaved I would very much like to see how she (the service) is connecting to the Internet.

Here is the thread that I made while having this problem.
Thread

Is it at all possible that something is connecting "home" to Clear foundation?

Re:LDAP search and bind errors

Posted by István Pongrácz - 2012/07/19 07:31

Summary: slow ldap cause problems to samba, emails etc.

Moved here, due to that, the topic is different.

=====