

## Re: Cyrus IMAP with pam\_mysql?

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/questions/2003-08/2547.html>

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**Date:** 08/26/03

Date: Tue, 26 Aug 2003 18:26:04 +0100  
To: Johan Paul <[mailing-lists@johanpaul.com](mailto:mailing-lists@johanpaul.com)>

OK, first off, my.cnf doesn't get created in the ports install on FreeBSD, but if you check the startup script, all the parameters are passed to the mysqld process at that time, if you have a play with the mysql stuff you can modify that script so that it does read it. In fact that is necessary if you want to run with InnoDB tables anyway (you probably don't for pam\_mysql). This is what you can modify the script to look like, where it also sets the log directories:

```
#!/bin/sh
```

```
DB_DIR=/data01/mysql40
```

```
PIDFILE=${DB_DIR}/bin/hostname -s`.pid
```

```
case "$1" in
```

```
start)
```

```
    if [ -x /usr/local/bin/mysqld_safe ]; then
```

```
        /usr/bin/limits -U mysql \
```

```
        /usr/local/bin/mysqld_safe
```

```
    --defaults-file=/usr/local/etc/my.cnf --user=mysql
```

```
    --log-bin-index=${DB_DIR}/logs/ajax-logidx.log
```

```
    --log-error=${DB_DIR}/logs/errlog.log --skip-bdb --pid-file=${PIDFILE}
```

```
    --datadir=${DB_DIR} > /dev/null &
```

```
        echo -n 'mysqld'
```

```
    fi
```

```
    ;;
```

```
stop)
```

```
    if [ -f ${PIDFILE} ]; then
```

```
        /bin/kill `cat ${PIDFILE}` > /dev/null 2>&1 &&
```

```
echo -n 'mysqld'
```

```
    else
```

```
        echo "mysql-server isn't running"
```

```
    fi
```

```
    ;;
```

```
*)
```

```
    echo ""
```

```
    echo "Usage: `basename $0` { start | stop }"
```

```
    echo ""
```

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```
        exit 64
    ;;
esac
```

Default log directories are in the default data directory, which is something like /var/db/mysql or somesuch (the location is in the Makefile for mysql) They are changed in the above script prior to starting the db server for the first time.

Incidentally, here is my version of the relevant section of pam.conf.

```
# Mail services
imap auth sufficient pam_unix.so
try_first_pass
imap auth optional pam_mysql.so user=mail passwd=*****
db=mail host=ajax table=mail_users usercolumn=user_col
passwdcolumn=pw_col crypt=2
imap account required pam_mysql.so user=mail passwd=*****
db=mail host=ajax table=mail_users usercolumn=user_col
passwdcolumn=pw_col crypt=2
imaps auth sufficient pam_unix.so
try_first_pass
imaps auth optional pam_mysql.so user=mail passwd=*****
db=mail host=ajax table=mail_users usercolumn=user_col
passwdcolumn=pw_col crypt=2
imaps account required pam_mysql.so user=mail passwd=*****
db=mail host=ajax table=mail_users usercolumn=user_col
passwdcolumn=pw_col crypt=2
pop3 auth required pam_unix.so
try_first_pass
sieve auth sufficient pam_unix.so
try_first_pass
sieve auth optional pam_mysql.so user=mail passwd=*****
db=mail host=ajax table=mail_users usercolumn=user_col
passwdcolumn=pw_col crypt=2
sieve account required pam_mysql.so user=mail passwd=*****
db=mail host=ajax table=mail_users usercolumn=user_col
passwdcolumn=pw_col crypt=2
```

It occurs to me that if you haven't enabled the imap port in /etc/services, that could cause this kind of problem – but seems an unlikely scenario.

Lastly MAY BE IMPORTANT\_\_\_\_\_

From the imapd.conf I have, I can't see the 'sasl\_mech\_list: PLAIN' line, so this may be affecting it!

FWIW, I still get shed loads of errors in the logfiles at auth time – never managed to sort that – and now can't be bothered!

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Hope some of this helps! :-)

Johan Paul wrote:

```
> Hi and thanks for you reply!
>
>> Welcome to nightmaresville. I struggled with this for yonks, and found
>> that there were some other files that needed to be setup, e.g.:
>
>
> F**k! I mean why does it have to be so difficult? In RedHat Linux I got
> the same configuration up without any problems...
>
>> ajax# cd /usr/local/lib/sasl2
>> ajax# cat Cyrus.conf
>> pwcheck_method: saslauthd
>> ajax#
>
>
> Ok, well added that there also. And then I read somewhere that the
> pwcheck_method -line should be in imapd.conf too.
>
>> There is at least one other one, and I'm trying to find it!
>>
>> Are you getting any trace out that you can post? I'd agree with you
>> that it doesn't seem to be contacting the database. If you have a log
>> against mysql, you could check this from the database end.
>
>
> This was actually the other thing I was wondering about; a) where is
> my.cnf in FreeBSD to config MySQL for and b) where does MySQL log the
> queries? I would love to look into what pam really tries to do with
> mysql - or doesn't.
>
> The only thing I can trace back to is the line I get into
> /var/log/messages:
>
> Aug 26 17:28:27 silakka imapd[3167]: login: my.machine[127.0.0.1] kypeli
> plaintext
>
> Yes, it works but it works despite it shouldn't since I removed the line
> from database with my username. In fact I read these postings with this
> username that shouldn't work :)
>
>> In my view, the docs for Cyrus fall a long way short of what is really
>> needed!
>
>
> Yep! And this isn't the first time I struggle with Cyrus and notice that
> the docs are out of date and mailing lists/newsgroups are the only way
> to get help. Thank god for them :)
>
```

Re: Cyrus IMAP with pam\_mysql?

freebsd-questions: Re: Cyrus IMAP with pam\_mysql?

> *But the wierdest thing is that I think it in fact does use pam to auth*  
> *but it uses the wrong service (a one that authenticates from*  
> */etc/passwd). Can anyone verify if this is possible? What it the correct*  
> *service line for pam.conf?*  
>  
>> *Cheers,*  
>>  
>> *Jon Mercer*  
>  
>  
> *Thanks,*  
>  
> *Johan Paul*  
>  
>  
>>  
>>  
>> *Johan Paul wrote:*  
>>  
>>> *Hi,*  
>>>  
>>> *Has anyone managed to get the Cyrus imapd to authenticate with pam\_mysql*  
>>> *-authentication?*  
>>>  
>>> *In /usr/local/etc/imapd.conf I have:*  
>>> *allowanonymouslogin: no*  
>>> *allowplaintext: yes*  
>>> *sasl\_pwcheck\_method: saslauthd*  
>>> *sasl\_mech\_list: PLAIN*  
>>>  
>>> *...among other things.*  
>>>  
>>> *I am running saslauthd with pam authentication:*  
>>> *silakka# ps xa |grep saslauthd*  
>>> *258 ?? 0:00.01 /usr/local/sbin/saslauthd1 -a pam*  
>>>  
>>>  
>>> *This is what I have in my /etc/pam.conf:*  
>>>  
>>> *# Mail services*  
>>> *imap auth sufficient pam\_mysql.so user=mail passwd=uBerSecRETPASS*  
>>> *host=localhost db=mail table=accountuser usercolumn=username*  
>>> *passwdcolumn=password crypt=1*  
>>>  
>>> *imap account required pam\_mysql.so user=mail passwd=uBerSecRETPASS*  
>>> *host=localhost db=mail table=accountuser usercolumn=username*  
>>> *passwdcolumn=password crypt=1*  
>>>  
>>> *The problem, I think, is the service column. The authentication is done*  
>>> *via PAM since when I change the password for my shell account the mail*  
>>> *password is changed too. But saslauthd uses some other service to*

