Nullmailer an yahoo mail

Using yahoo mail with linux can be very complicated. It took me a long time to figure out what the problem was and how to resolve it.

The problems:

1. Yahoo doesn't accept mails that have a different sender (from) than the user of the account.
2. Nullmailer has no local delivery of mails, so mails for root will go to yahoo and yahoo mail doesn't know the recipient.
3. A personal problem is that nullmailer will be configured by environment variables unlike any other Linux daemon I know.

Solution:

1.) We have to change the sender (from) to the fixed address of the account name
   This can be done by setting the environment variables:

   NULLMAILER_USER=username
   NULLMAILER_HOST=ymail.com

   This will work for mail systems that don't set a sender, like the command line program mail. But this will not solve the problem, for example crontab mails produce still errors. The crontab set a own sender which is not compatible with yahoo mail.

   ```
   root@ymail.com
   username@ymail.com

   Received: (nullmailer pid 27163 invoked by uid 103);
           Mon, 27 Sep 2010 11:30:01 -0000
   From: root@ymail.com (Cron Daemon)
   To: username@ymail.com
   Subject: Cron <root@SERVER>   /usr/local/bin/unavailable_cmd
   Content-Type: text/plain; charset=UTF-8
   X-Cron-Env: <SHELL=/bin/sh>
   X-Cron-Env: <PATH=/usr/local/sbin:/usr/local/bin:/sbin:/bin:/usr/sbin:/usr/bin>
   X-Cron-Env: <MAILTO=username@ymail.com>
   X-Cron-Env: <HOME=/var/lib/root>
   X-Cron-Env: <LOGNAME=root>
   Date: Mon, 27 Sep 2010 13:30:01 +0200
   Message-Id: <1285587001.131340.27162.nullmailer@MAILNAME>
   ```

   The From line (root@ymail.com) is created by crontab and can't be modified with the original nullmailer version.

   My solution is to patch nullmailer to remove the from line from cron mail and use only the sender specified by NULLMAILER_USER and NULLMAILER_HOST.
   This can be activated (in my version) by setting the flag x in the NULLMAILER_FLAGS environment variables or when the option MAIL_HEADER_REMOVE_FROM is set to 1 in configuration file (see point 3).

2.) If a mail goes to root the solution is to replace the name with a other valid email address. This is standard in mail system and can be done with the file /etc/aliases and the command newaliases.
   Unfortunately nullmailer don't support this file or function. So I patch this function into the

program (no need to call newaliases because /etc/aliases is read every time a mail is sent).

This is how the mail name is created and aliases should be configured:

creation of mail name:
If /etc/nullmailer/defaulthost and /etc/nullmailer/defaultdomain are missing or empty the name will be taken from /etc/mailname. <HOST> is the content of /etc/mailname and <DOMAIN> is the content of /etc/mailname too.
Mail-address: root@<HOST>.<DOMAIN>

If /etc/nullmailer/defaulthost, /etc/nullmailer/defaultdomain is configured
<HOST> is the content of /etc/defaulthost and <DOMAIN> is the content of
/etc/nullmailer/defaultdomain
Mail-address: root@<HOST>.<DOMAIN>

So use in alias two aliases.
root: username@ymail.com
root@<HOST>.<DOMAIN>: username@ymail.com

for example:
root: username@ymail.com
root@SERVER.org: username@ymail.com

3.) It's more a personal problem with nullmailer configuration. I think is very uncommon to set configurations via environment variables. So I patch the program to use the configuration file /etc/nullmailer/nullmailer.conf.
The format is the well known Option=Value format. # starts an commend, empty lines are ignored. If config-file setting is found the environment variable is ignored.
Following options are implemented and are equal to environment settings of the program:

Settings strings (names are equal to environment variables):
NULLMAILER_USER
NULLMAILER_HOST
NULLMAILER_NAME
NULLMAILER_SUSER
NULLMAILER_SHOST
NULLMAILER_QUEUE

Settings boolean (equal to documented environment flag) :
USE_NAME_ADDRESS_STYLE   c
IGNORE_HEADER_FIELD_FROM   f
IGNORE_HEADER_FIELD_MID   i
IGNORE_HEADER_FIELD_RPATH   s
HEADER_ADD_TO   t
MAIL_HEADER_REMOVE_FROM   x

Example of /etc/nullmailer/nullmailer.conf:

```
NULLMAILER_USER=username
NULLMAILER_HOST=ymail.com
#NULLMAILER_NAME=
#NULLMAILER_SUSER=
```

```
#NULLMAILER_SHOST=
#NULLMAILER_QUEUE=

#Options
#USE_NAME_ADDRESS_STYLE=1
#IGNORE_HEADER_FIELD_FROM=1
#IGNORE_HEADER_FIELD_MID=1
#IGNORE_HEADER_FIELD_RPATH=1
#HEADER_ADD_TO=1
MAIL_HEADER_REMOVE_FROM=1
```

Proceture to patch and recompile:

```
apt-get install nullmailer
cd /usr/src
apt-get install build-essential dpkg-dev
apt-get source nullmailer
apt-get build-dep nullmailer
dpkg-source -x  nullmailer_1.04-1.1.dsc
patch -p0 < nullmailer-1.04.patch
cd nullmailer_1.04
dpkg-buildpackage -b
cd ..
dpkg -i nullmailer_1.04-2.0_i386.deb
```

Warning

A warning before end. I'm not so familiar with Linux programming and especially with automake and autoconf. So it is may be possible the the new source code is not working for all Linux versions.
For me it worked and so I documented it that other people can avoid searching for a solution for this problem.

Download

Download patched nullmailer version for Debian Lenny:

Installationsanleitung: http://evilx99.ev.funpic.de/linux/nullmailer/nullmailer%20Installation.pdf
Patch: http://evilx99.ev.funpic.de/linux/nullmailer/nullmailer-1.04-patch
DEB lenny Package: http://evilx99.ev.funpic.de/linux/nullmailer/nullmailer_1.04-2.0_i386.deb
DEB squeeze Package: http://evilx99.ev.funpic.de/linux/nullmailer/squeeze/nullmailer_1.04-2.0_i386.deb

Evil <m.stroh@softhome.net> 6.1.2011 18:37 CET