

How to solve qmail-inject: fatal: qq temporary problem (#4.3.0) Qmail and Qmail Scanner problems on Debian Linux Wheezy

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Below QMAIL error

qmail-inject: fatal: qq temporary problem (#4.3.0)

occured to me right after upgraded from Debian Linux Squeeze 6 to Debian 7 Wheezy,

qmail-inject: fatal: qq temporary problem (#4.3.0) is really terrible error and I only experienced that error in my **Thunderbird** during sending mails, mail receiving doesn't work either, so as normally when

there are problems with Qmail its a lot of puzzling until you get it.

There is no even trace in logs on what might be causing it, strangely enough nothing in **qmail-smtpd**, **qmail-send logs**, the mail server and all components seemed to work perfectly fine I checked whether there are libraries that are missing with a small loop line as follows:

```
root@pcfreak:/var/log/qmail/qmail-smtpd# for i in $(ls -1 /var/qmail/bin/*); do ldd $i |grep -i  
"not found"; done  
root@pcfreak:/var/log/qmail/qmail-smtpd#
```

The absence of result indicates, all binaries are properly linked and no found mmissing libraries.

After investigating closely what might be wrong and reading comments on [Thibs QmailRocks Install Qmail-Scanner page](#), I realised the error might be caused, because of problems with **suid perl**, as I already checked my earlier post in which [I seemed to have faced the same qmail-inject: fatal: qq temporary problem \(#4.3.0\) error on Debian Wheezy](#) and explained the possible reasons [what might be causing the qq qmail error here as well](#)

and a [related issue I experienced earlier with qmail scanner unable to create files in previous article here](#) **Suid Perl** no longer available as a package and therefore **because of the inability of perl to run as root anymore in Debian Wheezy, qmail-scanner-queue.pl script did not work either.**

```
root@pcfreak:/downloads/simscan-1.4.0# 320 echo "hi, testing." > /tmp/mailtest.txt  
root@pcfreak:/downloads/simscan-1.4.0# env QMAILQUEUE=/var/qmail/bin/qmail-scanner-  
queue /var/qmail/bin/qmail-inject you@yourdomain.com  
YOU HAVEN'T DISABLED SET-ID SCRIPTS IN THE KERNEL YET!  
FIX YOUR KERNEL, PUT A C WRAPPER AROUND THIS SCRIPT, OR USE -u AND  
UNDUMP!  
qmail-inject: fatal: qq permanent problem (#5.3.0)
```

```
root@pcfreak:/downloads/simscan-1.4.0# /var/qmail/bin/qmail-scanner-queue
YOU HAVEN'T DISABLED SET-ID SCRIPTS IN THE KERNEL YET!
FIX YOUR KERNEL, PUT A C WRAPPER AROUND THIS SCRIPT, OR USE -u AND
UNDUMP!
```

A short note to make here is **qmail-scanner-queue** and **qmail-scanner-queue.pl** are set with suid bit set as follows:

```
root@pcfreak:/home/hipo/info# ls -al /var/qmail/bin/{qmail-scanner-queue,qmail-scanner-queue.pl}
-rwsr-sr-x 1 qscand qscand 6814 ??? 14 17:22 /var/qmail/bin/qmail-scanner-queue*
-rwsr-sr-x 1 qscand qscand 158880 ??? 14 23:52 /var/qmail/bin/qmail-scanner-queue.pl*
```

Good to say here is **qmail-scanner-queue** is a suid wrapper binary that actually invokes **qmail-scanner-queue.pl**

```
root@pcfreak:/downloads/simscan-1.4.0# su hipo
hipo@pcfreak:/downloads/simscan-1.4.0$ /var/qmail/bin/qmail-scanner-queue.pl -g
perlscanner: generate new DB file from /var/spool/qscan/quarantine-events.txt
hipo@pcfreak:/downloads/simscan-1.4.0$ exit
```

```
root@pcfreak:/downloads/simscan-1.4.0# cp /downloads/qmail-scanner-2.11st/contrib/logrotate.qmail-scanner /etc/logrotate.d/qmail-scanner
root@pcfreak:/downloads/simscan-1.4.0# chmod 644 /etc/logrotate.d/qmail-scanner
root@pcfreak:/downloads/simscan-1.4.0# cd /downloads/qmail-scanner-2.11st/contrib
root@pcfreak:/downloads/qmail-scanner-2.11st/contrib# chmod 755 test_installation.sh
root@pcfreak:/downloads/qmail-scanner-2.11st/contrib# ./test_installation.sh -doit
```

Sending standard test message - no viruses... 1/4
qmail-inject: fatal: qq temporary problem (#4.3.0)
Bad error. qmail-inject died

This are the other things, I've done to fix possible permission issues

```
root@pcfreak:/downloads/qmail-scanner-2.11st/contrib# sudo -u qscand /var/qmail/bin/qmail-  
scanner-queue.pl -z  
root@pcfreak:/downloads/qmail-scanner-2.11st/contrib# chown qscand:qscand /var/spool/qscan/qmail-  
scanner-queue-version.txt
```

In **/etc/sudoers** add following lines:

```
root@pcfreak:~# vim /etc/sudoers
```

```
ALL ALL=(qscand) NOPASSWD: /var/qmail/bin/qmail-scanner-queue.pl  
##necroleak ALL=(ALL) ALL  
Defaults    env_keep += "TCPREMOTEIP TCPREMOTEHOST TCPREMOTEINFO  
REMOTE_OS REMOTE_COUNTRY QS_SPAMASSASSIN SA_ONLYDELETE_HOST  
SA_WHITELIST"
```

```
root@pcfreak:/downloads/qmail-scanner-2.11st/contrib# cat /etc/sudoers
```

```
# /etc/sudoers  
#  
# This file MUST be edited with the 'visudo' command as root.  
#  
# See the man page for details on how to write a sudoers file.  
#
```

```
Defaults    env_reset
```

```
# Host alias specification
```

```
# User alias specification
```

Cmnd alias specification

User privilege specification

root ALL=(ALL) ALL

hipo ALL=(ALL) ALL

ALL ALL=(qscand) NOPASSWD: /var/qmail/bin/qmail-scanner-queue.pl

##necroleak ALL=(ALL) ALL

**Defaults env_keep += "TCPREMOTEIP TCPREMOTEHOST TCPREMOTEINFO
REMOTE_OS REMOTE_COUNTRY QS_SPAMASSASSIN SA_ONLYDELETE_HOST
SA_WHITELIST"**

Allow members of group sudo to execute any command

(Note that later entries override this, so you might need to move

it further down)

%sudo ALL=(ALL) ALL

#

#includedir /etc/sudoers.d

In case you wonder why we put the line in **/etc/sudoers**:

**Defaults env_keep += "TCPREMOTEIP TCPREMOTEHOST TCPREMOTEINFO
REMOTE_OS REMOTE_COUNTRY QS_SPAMASSASSIN SA_ONLYDELETE_HOST
SA_WHITELIST"**

The reason behind this is that by default sudo resets the environment variables when executing the command. Thus qmail-scanner cannot recognize the important info regarding the incoming mail and treats everything as coming from localhost, which leads to passing everything without scanning. The above line preserves the important *ENV variables for qmail-scanner*.

In **/etc/sudoers** add following lines:

root@pcfreak:/downloads/qmail-scanner-2.11st/contrib# vim /var/qmail/bin/qmail-scanner-queue.pl

Right after comments or in Line 1 ADD

```
my $real_uid="qscand";
```

```
my $effective_uid="qscand";
```

Also somewhere in the beginning of scripts lets say after above two variable declarations add:

```
$ENV{'PATH'}='/bin:/usr/bin';  
$whoami = getpwuid($
```