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## TuxSoftware

(The following subject to correction)

# SpamAssassin

## Overview

- Can run in various modes
- For us, runs as a filter that MTA postfix uses
- Permanently running spamd (daemon), transiently running spamc (clients)
- SpamAssassin scores the email - something else can decide what to do with it
  - SpamAssassin adds a header with the score to the email itself
- Mailman uses the Spamassassin score
  - score > 10 → mailman discards automatically
  - score < 5 → mailman accepts
  - 5 > score > 10 → mailman submits to moderator for human decision

## SpamAssassin docs

- <http://spamassassin.apache.org/doc.html>
- `/usr/share/doc/spamassassin/`

## SpamAssassin - MTA - mailing list integration

- We use postfix as our MTA
- We use mailman as our mailing list manager

## SpamAssassin - config

- `/etc/default/spamassassin`
- `/old/etc/default/spamassassin`
- `/etc/spamassassin/`
- `/old/etc/spamassassin/`
- `/old/var/lib/spamassassin/`
- I searched for “spamassassin configure debian postfix mailman”
  - found <http://www.debuntu.org/postfix-and-pamassassin-how-to-filter-spam>
  - <http://workaround.org/articles/ispmail-sarge/>
  - <http://www.debian-administration.org/users/kaerast/weblog/1>
  - <http://www200.pair.com/mecham/spam/spamfilter20050626.htm>
  - <http://www.digital-experts.de/doc/mailman/README.Debian>

- and for reference:
  - <http://www.debian.org/doc/packaging-manuals/fhs/fhs-2.3.html#VARLIBVARIABLESTATEINFORMATION>
  - and <http://www.nl.debian.org/doc/debian-policy/ch-opersys.html#s9.1>
- Note that some of the above documents are “out of date”. That's ok, - our distro is “out of date” too so these docs will match our setup
- There's way too much here, some packages we don't use (yet? Amavis?) and some if the advice conflicts. Happy research.

update:

- I searched for “mailman spamassassin debian” and found:
  - <http://www.python.org/cgi-bin/faqw-mm.py?req=edit&file=faq04.023.htm>
  - <http://mail.python.org/pipermail/mailman-users/2005-January/041686.html>
  - <http://www.digital-experts.de/doc/mailman/README.Debian>
  - [http://groups.google.ca/group/linux.debian.bugs.dist/browse\\_thread/thread/5aedd1dc35926265/001ded10ef3f964c?lnk=st&q=mailman+spamassassin+debian&num=1&hl=en#001ded10ef3f964c](http://groups.google.ca/group/linux.debian.bugs.dist/browse_thread/thread/5aedd1dc35926265/001ded10ef3f964c?lnk=st&q=mailman+spamassassin+debian&num=1&hl=en#001ded10ef3f964c)

## SpamAssassin Quick & Dirty Config

I found this and tried it out on our site: <http://www.xnote.com/howto/postfix-spamassassin.html>. It seems to have everything necessary and appears to be working. It's been edited to match what we have set up locally.

- Install postfix and get it working for your domain. See <http://www.postfix.org> for details.
- Install SpamAssassin. The easiest way to do this is with the command “perl -MCPAN -e 'install Mail::!SpamAssassin'” OR you can compile it. Another way is to use an RPM (!RedHat or Fedora) or “apt-get install postfix spamassassin spamc” (if you have debian)
- As root, create a file at /usr/local/bin/spamfilter.sh with the following content:

```
#!/bin/bash
/usr/local/bin/spamc | /usr/sbin/sendmail -i "$@"
exit $?
```

- Run:

```
chmod 755 /usr/local/bin/spamfilter.sh
```

and make sure you have it executable:

```
ls -als /usr/local/bin/spamfilter.sh
```

- Create a user called 'spamfilter'. Make it a complete user, with home directory and shell. (set the shell to false)

```
example: useradd -m -d /home/spamfilter -s /bin/false spamfilter
```

- Run

```
chown spamfilter:users /usr/local/bin/spamfilter.sh
```

- In /etc/postfix/master.cf in the “Services” section, alter the 'smtp' line as follows (the “ -o con...” SHOULD be on the next line:

```
//NOTE there are two lines that have smtp. Make sure it is the inet line
(Usually the first occurrence)//
```

```
# -----
-----
smtp inet n - n - - smtpd
      -o content_filter=spamfilter:dummy
# -----
-----
```

- In /etc/postfix/master.cf in the “Interfaces to non-Postfix software” section add:

```
# -----
-----
spamfilter unix - n n - - pipe
      flags=Rq user=spamfilter argv=/usr/local/bin/spamfilter.sh -f
      ${sender} -- ${recipient}
# -----
-----
```

- Make sure that SpamAssassin is configured to run:
  - Edit /etc/default/spamassassin and change the enabled line to 1 from 0
  - Issue the command “/etc/init.d/spamassassin start” to get it started
  - Check /var/log/mail.log to see that the spamd process started
  - Make sure the symlinks are in the appropriate runlevel directories
- Restart postfix and make sure you can still get email. Send a fake spam through the system (from an outside address) to verify that spam is marked as spam. For information on configuring SpamAssassin, go to <http://www.spamassassin.org>.

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Permanent link:  
<https://wiki.linux-ottawa.org/doku.php?id=hwmig2007smapassassin>

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