

Add DCC (Distributed Checksum Clearing Houses), Pyzor and Razor checks in Spamassassin on Debian Lenny / Howto improve spamassassin anti spam protection on Debian GNU / Linux

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In accordance to a recent qmail install, here is few things to install in order to improve the native spamassassin anti-spam mail server protection capabilities.

1. Install [Pyzor](#) and [Razor](#)

```
debian-server# apt-get install pyzor razor
```

2. Edit `/etc/mail/spamassassin/local.cf` and put the following lines in it:

```
use_razor2 1
razor_config /etc/razor/razor-agent.conf
razor_timeout 8
use_pyzor 1
pyzor_path /usr/bin/pyzor
add_header all Pyzor _PYZOR_
clear_report_template
```

3. Edit `/etc/mail/spamassassin/v310.pre` and make sure the following lines are included and uncommented:

```
loadplugin Mail::SpamAssassin::Plugin::DCC
loadplugin Mail::SpamAssassin::Plugin::Pyzor
loadplugin Mail::SpamAssassin::Plugin::Razor2
loadplugin Mail::SpamAssassin::Plugin::SpamCop
```

4. Now we modify `/etc/mail/spamassassin/local.cf` once more to enable [Bayesian Filtering, so include in the conf the following:](#)

```
use_bayes 1
bayes_file_mode 0700
bayes_path /var/spamd/.spamassassin/bayes
bayes_auto_learn 1
bayes_auto_learn_threshold_nonspam 0.1
bayes_auto_learn_threshold_spam 8.0
use_auto_whitelist 1
```

In my case I use `/var/spamd/.spamassassin` directory for bayesian filter files, anyways you might desire to have it in a different lacion, however if you desire to use the same directory as me, make the appropriate directories and files as shown below:

```
debian-server# mkdir -p /var/spamd/.spamassassin/
```

```
debian-server# touch /var/spamd/.spamassassin/bayes_{seen,toks} /var/spamd/.spamassassin/bayes
debian-server# chown -R vpopmail:vchkpw /var/spamd/
```

Note that in the above example whenever Iâ€™m using user vpopmail:vchkpw I did that because my spamassassin is running under the vpopmail:vchkpw user and group, in case if youâ€™re using a different uid and gid please change the commands in accordance with â€œem.

5. Next we need to download and install the required DCC ([Distributed Checksum Clearing Houses](#)) binaries, Regrettably no debian package is available so we will compile it and install it from source:

```
debian-server# wget http://www.rhyolite.com/dcc/source/dcc.tar.Z
debian-server# tar -zxvf dcc.tar.Z
debian-server# cd dcc-1.3.120/
debian-server# ./configure && make && make install
debian-server# cdcc info > /var/dcc/map.txt
debian-server# chmod 0600 /var/dcc/map.txt
debian-server# rm /var/dcc/map
debian-server# cdcc "new map; load /var/dcc/map.txt"
debian-server# cdcc "delete 127.0.0.1"
```

6. Again we have to edit **/etc/mail/spamassassin/local.cf** and include in it:

```
use_dcc 1
dcc_timeout 8
dcc_home /var/spamd/
dcc_path /usr/local/bin/dccproc
add_header all DCC _DCCB_: _DCCR_
```

7. Last I include few configuration options I find handy, this is not required to have pyzor, razond and DCC properly configured, so itâ€™s completely up to you to decide if you want that or not:

```
rewrite_subject 1
subject_tag [SPAM found in message]
dns_available yes
ok_locales all
add_header spam Flag _YESNOCAPS_
report_safe 1
```

Herein I also include [a link to my whole local.cf spamassassin configuration file](#) in a hope that itâ€™s easier to check the above directives directly in the conf.