

New OpenSMTPD Main Config

Here's some useful software you might want to install beforehand; not all of which is documented below. You won't need to install OpenSMTPD as it is currently the default mail server for OpenBSD.

```
pkg_add procmail
pkg_add dovecot
pkg_add certbot
pkg_add redis
pkg_add p5-Mail-SpamAssassin
pkg_add opensmtpd-filter-dnsbl
pkg_add opensmtpd-filter-spamassassin
rcctl enable spamassassin
rcctl enable redis
rcctl enable dovecot
```

Check out the main config file further down this page for **filter-dnsbl**. Using the **-m** option means that no mail will be rejected if an IP address is found on the blocklist. However some extra headers warning of the listing will be included in relevant emails. I kept this option enabled for a few days until I was sure that the filter was working correctly, which was indeed the case.

filter-spamassassin is also pretty awesome. Once the threshold is set in **local.cf**, any score on or above the threshold results in a mail rejection. I actually appreciate not having any other options as spam messages should not be accepted nor silently discarded. I think that spammers get paid by successful deliveries and not whether the electronic turd they've just sent you gets read.

For **SpamAssassin**, edit the following file and customise to suit your requirements.

```
/etc/mail/spamassassin/local.cf
```

I have something like the following in my **local.cf** file.

```
# The next line is commented out as it will never be used with my current configuration for SpamAssassin.

#rewrite_header Subject ***spam***

skip_rbl_checks 1

trusted_networks 192.168.0

whitelist_from      *@friendly.tld

required_score 5.0

bayes_store_module  Mail::SpamAssassin::BayesStore::Redis
bayes_sql_dsn       server=127.0.0.1:6379;database=4
bayes_token_ttl     300d
bayes_seen_ttl      8d
bayes_auto_expire   1
```

Restart the redis and spamassassin daemons as shown below.

```
/etc/rc.d/spamassassin restart
/etc/rc.d/redis restart
```

I use **Maildir** as my mailbox format.

```
# vim /etc/procmailrc

DEFAULT=$HOME/Maildir/

# vim /etc/dovecot/conf.d/10-mail.conf

[...]

mail_location = maildir:~/Maildir

[...]

mail_privileged_group = _dovecot
```

To prevent Dovecot warning of too many open files and shutting down, add the following lines to **/etc/login.conf**:

```
dovecot:\
:openfiles-cur=512:\
:openfiles-max=2048:\
:tc=daemon:
```

Here is the main **smtpd.conf** file.

```
# $OpenBSD: smtpd.conf,v 1.14 2019/11/26 20:14:38 gilles Exp $

# This is the smtpd server system-wide configuration file.
# See smtpd.conf(5) for more information.

table aliases      file:/etc/mail/aliases
table secrets      file:/etc/mail/secrets
table rejectaddress file:/etc/mail/rejected_addresses

pki chunkymonkey.tld cert "/etc/letsencrypt/live/chunkymonkey.tld/fullchain.pem"
pki chunkymonkey.tld key  "/etc/letsencrypt/live/chunkymonkey.tld/privkey.pem"

filter check_rdns phase connect match !rdns \
    disconnect "550 No reverse DNS."

filter rejects phase data match mail-from <rejectaddress> \
    disconnect "550 Sorry, no fuel here."

filter dnsbl proc-exec "filter-dnsbl -mv zen.spamhaus.org"

filter spamass proc-exec "filter-spamassassin"

action "local" mda "/usr/local/bin/procmail -f -" alias <aliases>

action "relay" relay host smtp+tls://topuser@supersmarthost.tld:25 auth <secrets> helo chunkymonkey.tld

listen on em0 port submission tls-require pki chunkymonkey.tld auth hostname chunkymonkey.tld mask-src

listen on lo0 hostname chunkymonkey.tld mask-src

listen on em0 tls pki chunkymonkey.tld \
    hostname chunkymonkey.tld no-dsn filter { check_rdns, dnsbl, rejects, spamass }

match from any for domain "chunkymonkey.tld" action "local"
match from any for domain "chubbyarse.tld" action "local"

match auth from any for any action "relay"
```

Table Formats

Here are the formats I've used for the tables referenced in the main config file above.

Secrets

```
topuser username:password
```

Rejected Addresses

```
@marketing.tld
@supersales.tld
no-reply@
```

I always run the following command after changing any of the referenced tables.

```
/etc/rc.d/smtpd restart
```

Third Party Services

For DNS I'd recommend **Mythic Beasts** and for a smart host I've had great success with **AuthSMTP**.

This is the end of the document. Thank you for reading.

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