

postfix config for outgoing smarthost with TLS authentication

this is a short how-to, to get your postfix mailserver to send outgoing mail via a smarthost that requires TLS authentication:

create a password file with the following contents:

```
echo "mail.server.com username:password" > /etc/postfix/smarthost_password
chmod 600 /etc/postfix/smarthost_password
postmap /etc/postfix/smarthost_password
```

edit main.cf

```
nano /etc/postfix/main.cf
```

and add / modify these lines:

```
relayhost = mail.w3design.ch:587
smtp_use_tls=yes
smtp_sasl_auth_enable = yes
smtp_sasl_password_maps = hash:/etc/postfix/smarthost_password
smtp_sasl_security_options = noanonymous
smtp_tls_security_level = encrypt
```

also make sure you're not creating an open relay server for everybody to use. for example limit your acceptable mail networks to localhost only is a good starting point (in main.cf as well):

```
mynetworks = 127.0.0.0/8 [::ffff:127.0.0.0]/104 [::1]/128
```

make sure the necessary encryption libraries are installed

```
apt install libsasl2-modules
```

now check your new config and reload it:

```
postfix check
postfix reload
```

monitor your mail logs and send a test message to see what happens:

```
tail -f /var/log/mail.*
```

in another terminal:

```
echo "this is a test " | mail mail@psuter.ch -s test
```

rewrite from-addresses

in many cases, the sender domain of such a system is an internal domain and will be rejected by many spam filters. for that reason it may be necessary to rewrite the from address to an actual valid email address

to do that we can use `sender_canonical_maps` on postfix. Add the following line to `/etc/postfix/main.cf`:

```
sender_canonical_maps = hash:/etc/postfix/canonical
```

and create a map in `/etc/postfix/canonical` that looks something like this:

```
@myserver.local    valid@email.address
```

instead of `@myserver.local` which will basically rewrite any local email address, we can also use a username like `root` if that better suits our needs.

finally use `postmap` to create the hash map and reload the config once more:

```
postmap /etc/postfix/canonical
postfix check
postfix reload
```

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