Virtual user delivery sagredo-qmail PIC v0.7

by Roberto Puzzanghera - https://www.sagredo.eu

from remote

from local

remote MTA/MUA

MUA

Original message

To: roberto@sagredo.eu
Hi.

STARTTLS   SSL   STARTTLS

PORT 25 tcpserver

PORT 465 sslserver

PORT 587 tcpserver

greetdelay
helochscheck
RBL
SPF
chkuser

qmail-smtpd

authentication

vchkpw

qmail-inject

srsforward

Fill in the complete envelope and header:

Mail From: joe@domain.com
Rcpt To: roberto@sagredo.eu
From: joe@domain.com
To: roberto@sagredo.eu

Hi.
.

ClamAV

SpamAssassin

surblqueue

qmail-dkim

simscan

qmail-queue

forward

Store the message safely on disk

Intercept the msg before it gets queued

qmail-smtpd/run

QMAILQUEUE=/var/qmail/bin/surblqueue
SURBLQUEUE=/var/qmail/bin/qmail-dkim
DKIMQUEUE=/var/qmail/bin/simscan

qmail-todo

qmail-clean

Prepare the delivery maximizing qmail-send efficiency

qmail-send

Look at envelope recipient: "roberto@sagredo.eu"

- Is "sagredo.eu" in **locals**? No
- Is "roberto@sagredo.eu" in **virtualdomains**? No
- Is "sagredo.eu" in **virtualdomains**? Yes: "sagredo.eu:sagredo.eu"
- **Prepend** the field on the right side of the colon : (sagredo.eu)
  to the recipient and treat the result as "sagredo.eu-roberto"
  is a local address
- **Deliver** locally to "sagredo.eu-roberto@sagredo.eu"

conf-channels

4

2 + N additional channels

qmail-logger

qmail-clean

qmail-rspawn   qmail-rspawn   qmail-rspawn

qmail-lspawn

Look at mailbox name: "sagredo.eu-roberto"

- Is "sagredo.eu-roberto" listed in **users/assign**? No
- Is "sagredo.eu" listed in **users/assign**? Yes:
  +sagredo.eu-:sagredo.eu:89:89:/home/vpopmail/domains/sagredo.eu:-:
- Get the home dir and anything has to be passed to **qmail-local**
- Give control of the message to "sagredo.eu"
- If anything wrong give control to "**alias**" (~alias is /var/qmail/alias in /etc/passwd)
- Call **qmail-local** passing all the user's parameters (home dir etc.)

Run custom filters

spawn-filter

qmail/rc

QMAILREMOTE=/var/qmail/bin/spawn-filter

qmail-local

Search the **dot-qmail** file which has to handle the delivery in the
user's home dir (/var/qmail/alias if "alias" has control)

- Does ~sagredo.eu/.qmail-roberto exist? No.
- Does ~sagredo.eu/.qmail-default exist? Yes
- **Execute .qmail-default**

.qmail-default

|~vpopmail/bin/vdelivermail '' delete

Add DKIM signature

qmail-dkim

control/filterargs

*:remote:/var/qmail/bin/qmail-dkim:
DKIMQUEUE=/bin/cat,
DKIMSIGN=/var/qmail/control/domainkeys/%/default

vdelivermail

vdelivermail

Send to remote

qmail-remote

valias exists?

NO

roberto/.qmail exists?

NO

--enable-defaultdelivery?

YES

control/defaultdelivery exists?

NO

YES   YES   NO   YES

control/defaultdelivery

|preline -f ~dovecot/libexec/dovecot/deliver -d $EXT@$USER

contains dovecot-LDA?

NO

forward

userdb pseudo sql query

SELECT home WHERE user='roberto@sagredo.eu'

YES

userdb

dovecot-LDA

15-lda.conf

sendmail_path = /var/qmail/bin/sendmail

Run user's sieve scripts

sieve interpreter & ManageSieve

reply / send / out of office?

YES

sendmail

NO

Maildir

remote mail server

to local virtual user