tcpserver

Command line parameters:

[-qQvdDoOpPhHrR1] [-climit] [-bbacklog] -xrules.cdb] [-ggid] [-uuid] [-llocalname] [-ttimeout] host port program [arg ...]

Environment Variables:

Configuration files: rules.cdb

qmail-smtpd

Command line parameters:

Environment Variables:

PROTO (TCP) **TCPLOCALHOST** TCPLOCALIP TCPLOCALPORT TCPREMOTEHOST TCPREMOTEINFO TCPREMOTEIP TCPREMOTEPORT RELAYCLIENT

Configuration files: badmailfrom

databytes localiphost (me) rcpthosts morercpthosts (cdb format) smtpgreeting (me) timeoutsmtpd (1200)

qmail-queue

Command line parameters:

Environment Variables:

Configuration files:

Exit codes:

- 0 success
- 11 address too long
- 51 out of memory 52 timeout
- 53 write error
- 54 read error
- 61 problem with qmail homedir
- 62 problem with queuedir
- 63 problem with queue/pid
- 64 problem with queue/mess
- 65 problem with queue/intd 66 problem with todo
- 81 internal bug, eg. segfault 91 envelope format error

qmail-rspawn

Command line parameters:

Environment Variables:

Configuration files:

Exit codes:

0 success

100 permanent error (bounce)

111 soft error (retry later)

amail-remote

Command line parameters:

host sender recip [recip ...]

Environment Variables:

Configuration files: helohost (me)

smtproutes timeoutconnect (60) timeoutremote (1200)

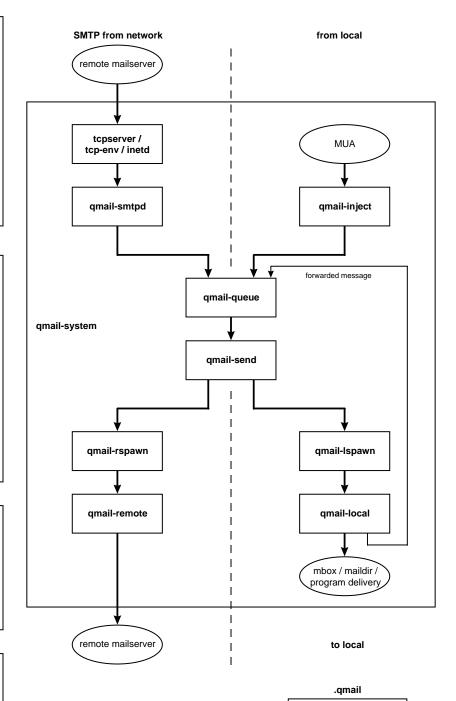
Exit codes:

always 0 and all errors come back as clear text

THE BIG Qmail PICTURE

Version 1.03 for amail 1.03

This picture is intended to give a broad overview of on how all the small qmail programs fit together and to have an quick reference handy. The man pages of the programs give more information on how things are working in detail.



qmail-inject

Command line parameters:

[-nNaAhH] [-fsender]

Environment Variables:

QMAILUSER MAILUSER USER LOGNAME QMAILHOST

MAILHOST QMAILNAME MAILNAME NAME

QMAILINJECT QMAILDEFAULTDOMAIN QMAILDEFAULTHOST QMAILIDHOST QMAILPLUSDOMAIN

Configuration files:

defaultdomain (me) defaulthost (me) idhost (me) plusdomain (me)

amail-send

Command line parameters:

Environment Variables:

Configuration files:

bouncefrom (mailer-daemon) bouncehost (me) concurrencylocal (10) concurrencyremote (20) doublehouncehost (me) doublebounceto (postmaster) envnoathost (me) locals (me) percenthack queuelifetime (604800) virtualdomains

Remarks:

virtualdomains are handled after locals

gmail-Ispawn

Command line parameters:

Environment Variables:

Configuration files: ~users/cdb

~bin/qmail-getpw

Exit codes:

100 aliasempty missing 111 soft error (retry later) Most errors come back as clear text

gmail-local

Command line parameters: [-nN]

user homedir local dash ext domain sender

Environment Variables:

aliasempty

Configuration files:

~alias/.gmail

Exit codes:

0 success 1 fatal error

2 chdir error

3 SIGALRM 4 tryunlinktmp() error

100 permanent error (bounce)

111 soft error (retry later)

Most errors come back as

Content:

0 success

program to execute

&forwarding email address

./mailbox deliver to Mbox

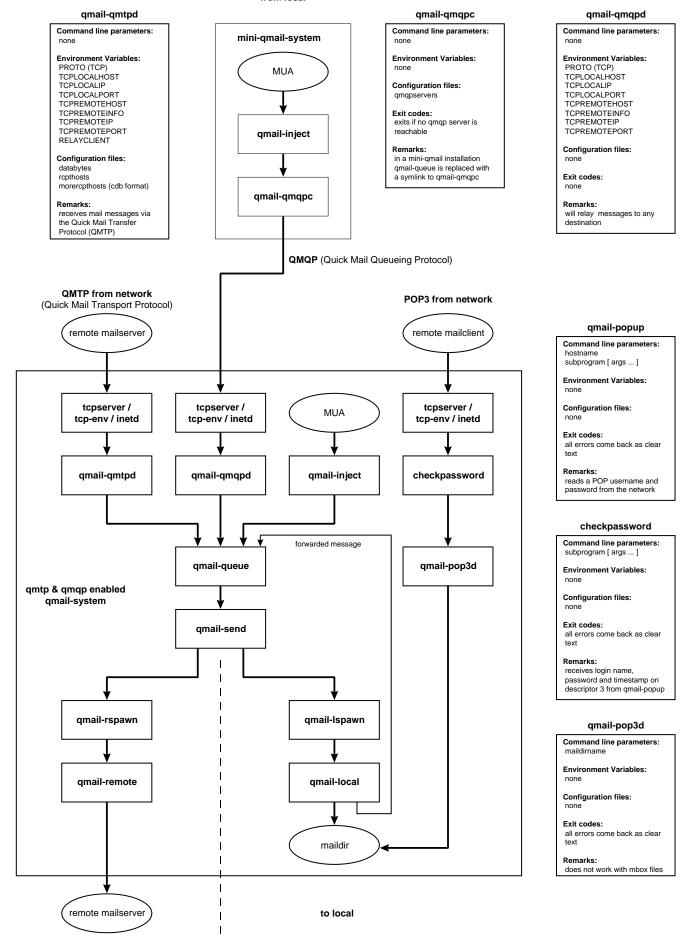
./maidir/ deliver to Maildir

Exit codes of program:

99 success and abort .qmail

111 soft error (retry later)

100 permanent error (bounce)



dot-qmail programs

bouncesaying

bounce each incoming message (according to the exit value of [program])

Command line parameters:

in .qmail: |bouncesaying

[program [arg ...]]

Environment Variables:

Configuration files:

Exit codes of program:

0 bounce and say error 111 soft error (retry later) all other errors are ignored and the rest of .qmail will be processed as usual

condredirect

Description:

redirect message to another address according to the exit value of program

Command line parameters:

in .qmail: condredirect newaddress program [arg ...]

Environment Variables:

Configuration files:

Exit codes of program:

0 forward to newaddress 111 soft error (retry later) all other errors are ignored and the rest of .qmail will be processed as usual

except

Description: reverse the exit code of a

program

Command line parameters:

in .qmail program [arg ...]

Environment Variables:

Configuration files:

Exit codes of program:

0 except exits 100 111 soft error (retry later) all other errors are ignored and the rest of .qmail will be processed as usual

forward

Description:

forward message to one or more addresses

Command line parameters:

in .qmail |forward address

Environment Variables:

Configuration files:

Exit codes of program:

preline

Description: prepend UUCP-style lines

Command line parameters:

in .qmail: preline command -d] (no Delivered-To line)

[-f] (no From_ line) [-r] (no Return-Path line)

Environment Variables:

Configuration files:

Exit codes of program:

Remarks:

is useful for procmail and ELM's filter

qbiff

Description:

announce new message the moment it arrives

Command line parameters:

in .qmail:

Environment Variables:

Configuration files:

Exit codes:

Remarks:

writes a message to your screen whenever a new message is delivered

qlist

Description: handle mailing list subscription requests

Command line parameters:

in .qmail-list-request: lalist read man page for details

Environment Variables:

Configuration files:

none Exit codes:

none

Remarks: read man page for details

greceipt

Description:

respond to delivery notice requests

Command line parameters:

in .qmail: |qreceipt

Environment Variables:

Configuration files: none

Exit codes:

none

Remarks: sends a success notice back to the envelope sender

userland programs

maildirmake

Description:

creates a maildir structure

Command line parameters:

Environment Variables:

Configuration files:

Exit codes:

maildirwatch

Description:

watch for new messages in a maildir

Command line parameters:

you have so set the

Environment Variables:

MAILDIR

Configuration files:

none

Exit codes:

none

Remarks:

prints a new mail summary twice per minute

maildir2mbox

Description:

moves messages from maildir to mbox format

Command line parameters:

you have so set the

Environment Variables:

MAILDIR MAIL MAILTMP

Configuration files:

Exit codes: none

Remarks: you should run only one maildir2mbox at a time

mailsubj

Description: send a mail message with a

subject line

Command line parameters: subject

Environment Variables:

Configuration files: none

Exit codes:

none Remarks:

reads the body of the message from its standard input

queue management

qmail-qstat

Description:

summarize status of mail queue

Command line parameters:

Environment Variables:

Configuration files:

Exit codes:

complains if there is a problem

Remarks:

must be run either as root or with gid qmail

qmail-gread

Description:

list outgoing messages and recipients

Command line parameters:

Environment Variables:

Configuration files:

Exit codes:

complains if there is a problem

Remarks:

must be run either as root or with uid qmails and gid qmail

qmail-tcpto

Description: prints qmail-remote's current list of timeouts

Command line parameters:

Environment Variables:

Configuration files:

Exit codes:

complains if there is a problem

Remarks:

must be run either as root or with uid qmailr and gid qmail

qmail-tcpok

Description:

erases qmail-remote's current list of timeouts

Command line parameters:

Environment Variables:

Configuration files:

Exit codes:

complains if there is a problem

Remarks:

must be run either as root or with uid qmailr and gid qmail

Hint: to reschedule every message in the queue for immediate delivery, do a "kill -ALRM pid" on the qmail-send pid

user and system management

qmail-pw2u

Description:

build address assignments from a passwd file

Command line parameters: [-/ohHuUC] [-cchar]

Environment Variables:

- Configuration files: ~users/include
- ~users/exclude
- ~users/mailnames ~users/subusers ~users/append

Exit codes: complains if there is a problem

Remarks:

generates ~users/assign

qmail-newu

Description: prepare address assignments for qmail-Ispawn

Command line parameters:

Environment Variables: none

Configuration files:

~users/assign Exit codes:

complains if there is a problem with ~users/assign qmailnewu

Remarks:

generates ~users/cdb

qmail-newmrh

Description:

prepare morercpthosts for qmail-smtpd

Command line parameters:

Environment Variables:

none

Configuration files: ~control/morercpthosts

Exit codes:

complains if there is a problem with control/morercpthosts qmail-newmrh complains

Remarks:

~control/morercpthosts.cdb

qmail-showctl

Description:

analyze the amail config files

Command line parameters:

Environment Variables:

Configuration files:

Exit codes: complains if there is a problem

Remarks:

explains the current qmail configuration

other qmail daemons

qmail-start

Description:

turn on mail delivery

Command line parameters:

defaultdelivery logger [args ...]

Environment Variables:

Configuration files: none

Exit codes: does not print anything, even on failure

Remarks:

make sure to clean up the environment before starting qmail

qmail-clean

Description:

clean up the queue directory

Command line parameters:

Environment Variables:

Configuration files:

Exit codes: none

Remarks: can only be started by qmail-start

splogger

Description:

reads a series of messages and feeds them to syslog

Command line parameters:

[tag [facility]]

Environment Variables:

Configuration files: none

Exit codes:

complains if there is a problem

Remarks:

converts unprintable characters to question marks