#### 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)

#### gmail-queue

# Command line parameters:

**Environment Variables:** 

### none

Configuration files:

#### Exit codes:

- 11 address too long 51 out of memory
- 52 timeout 53 write error
- 54 read error
- 61 problem with qmail homeding
- 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 erro

#### qmail-rspawn

# Command line parameters:

## **Environment Variables:**

Configuration files:

# none

Exit codes:

0 success 100 permanent error (bounce) 111 soft error (retry later)

# gmail-remote

#### Command line parameters:

sende

recip [ recip ... ]

# **Environment Variables:**

# Configuration files:

helohost (me) smtproutes timeoutconnect (60) timeoutremote (1200)

always 0 and all errors come back as clear text

# THE BIG Qmail PICTURE

Version 1.03 for qmail 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.

# SMTP from network from local remote mailserver tcpserver / MUA tcp-env / inetd qmail-smtpd qmail-inject forwarded message qmail-queue amail-system qmail-send qmail-rspawn qmail-Ispawn qmail-remote qmail-local mbox / maildir / program delivery remote mailservei to local

#### amail-inject

# Command line parameters: [ -nNaAhH ]

-fsender] recip

#### **Environment Variables:**

QMAILUSER MAILUSER USER LOGNAME QMAILHOST MAILHOST QMAILNAME MAILNAME NAME QMAILINJECT QMAILDEFAULTDOMAIN QMAILDEFAULTHOST QMAILPLUSDOMAIN

#### Configuration files:

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

#### gmail-send

# **Command line parameters:**

# **Environment Variables:**

#### Configuration files:

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

#### Remarks:

aliasempty

after locals

# amail-Ispawn

#### Command line parameters:

**Environment Variables:** 

Configuration files:

#### ~bin/qmail-getpw

# Exit codes:

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

# gmail-local

#### Command line parameters: [-nN] homedir

dash ext domain sender aliasempty

# **Environment Variables:**

#### Configuration files: ~home/.qmail

~alias/.qmail

# 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 clear text

.qmail

&forwarding email address

/mailbox deliver to Mbox ./maidir/ deliver to Maildir

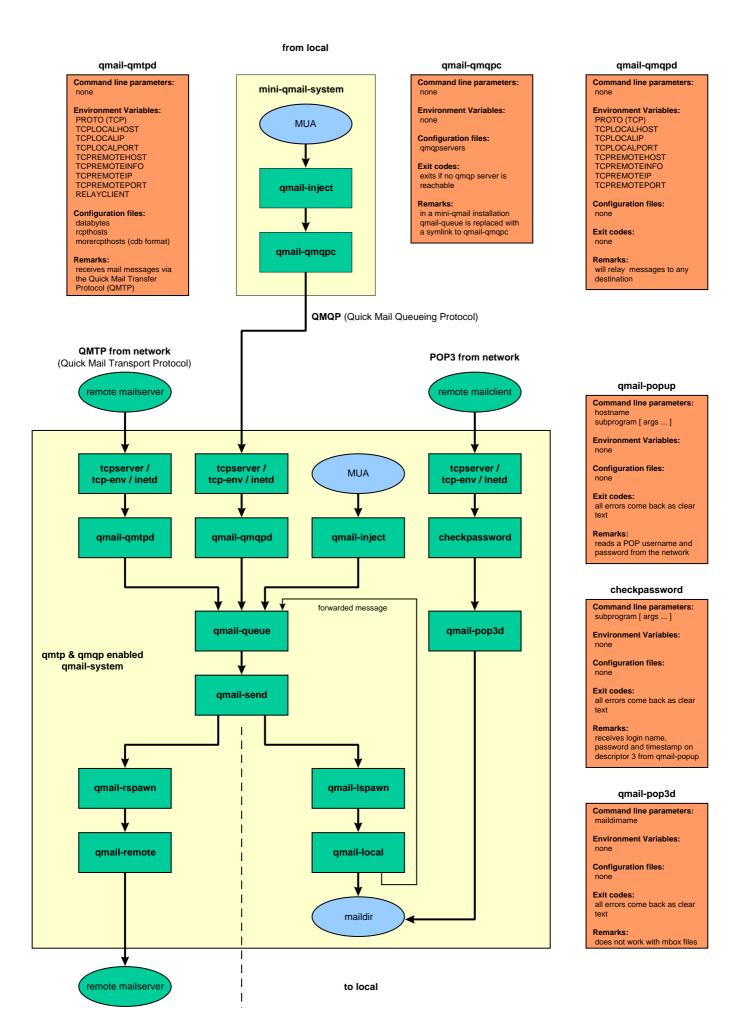
Exit codes of program:

0 success 99 success and abort .qmail

100 permanent error (bounce)
111 soft error (retry later)

Content:

#comment program to execute



# dot-qmail programs

#### bouncesaving

#### Description:

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

#### Command line parameters:

in .qmail: bouncesaying [program [arg ...]]

#### **Environment Variables:** none

# 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:**

none

# 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

abiff

announce new message the moment it arrives

Command line parameters:

# except

# Description:

reverse the exit code of a program

#### Command line parameters:

in .qmail: |except 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:

address

#### **Environment Variables:**

#### Configuration files:

### Exit codes of program:

#### preline

prepend UUCP-style lines

#### Command line parameters:

in .qmail: command -d ] (no Delivered-To line) -f ] (no From\_ line)

### [-r] (no Return-Path line) **Environment Variables:**

#### Configuration files:

Exit codes of program:

# none

is useful for procmail and ELM's filter

**Environment Variables:** 

Configuration files:

#### Exit codes:

Description:

#### 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: read man page for details

#### **Environment Variables:**

# Configuration files:

Exit codes: none

read man page for details

## areceipt

#### Description:

respond to delivery notice requests

### Command line parameters:

in .qmail: |qreceipt youraddress

# **Environment Variables:**

Configuration files:

#### Exit codes: none

sends a success notice back to the envelope sender

# userland programs

#### maildirmake

# Description:

creates a maildir structure

#### Command line parameters: directory

# **Environment Variables:** Configuration files:

# none

none

### maildirwatch

# Description:

watch for new messages in a maildir

# Command line parameters:

you have so set the environment

### **Environment Variables:**

# Configuration files:

Exit codes:

MAII DIR

#### 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

#### **Environment Variables:** MAII DIR

MAIL MAILTMP

## Configuration files:

## Exit codes:

Remarks:

#### you should run only one maildir2mbox at a time

#### mailsubj

## Description:

send a mail message with a subject line

# **Command line parameters:**

subject recip ...

# **Environment Variables:**

Configuration files:

### Exit codes:

Remarks: reads the body of the message from its standard

## 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

must be run either as root or with gid gmail

qmail-qread

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 gmails and gid gmail 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 gmailr and gid gmail 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 gmailr and gid gmail

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

complains if there is a problem

Remarks:

generates ~users/assign

qmail-newu

Description prepare address assignments for qmail-Ispawn

Command line parameters:

**Environment Variables:** 

Configuration files:

~users/assign

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

Remarks:

generates ~users/cdb

qmail-newmrh

Description: prepare morercpthosts for gmail-smtpd

Command line parameters:

**Environment Variables:** 

Configuration files: ~control/morercpthosts

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

Remarks:

~control/morercpthosts.cdb

qmail-showctl

Description: analyze the qmail config files

Command line parameters:

**Environment Variables:** 

Configuration files:

Exit codes:

complains if there is a problem

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:

does not print anything, even on failure

make sure to clean up the environment before starting amail

qmail-clean

Description: clean up the queue directory

Command line parameters:

**Environment Variables:** 

Configuration files:

Exit codes:

Remarks:

can only be started by qmail-start

splogger

Description:

reads a series of messages and feeds them to sysloc

Command line parameters:

[ tag [ facility ] ] **Environment Variables:** 

Configuration files:

complains if there is a problem

converts unprintable characters to question marks