qmail-smtpd

Command line parameters:

Environment variables:

550GREETING **AUTHREQUIRED AUTHPREPEND** BLOCKRELAYPROBE LOGI EVEL MAXRCPTCOUNT NOBOUNCE NOPRS PROTO (TCP)

RBLONLYHEADER RCPTCHECK REJECTEXEC RELAYCLIENT RETURNMXCHECK SANITYCHECK SENDERCHECK

SMTP550DISCONNECT SMTPAUTH TARPITCOUNT **TARPITDELAY** TCPLOCALHOST TCPLOCALIP TCPLOCALPORT TCPREMOTEHOST **TCPREMOTEINFO**

TCPREMOTEPORT Configuration files:

TCPREMOTEIP

badmailfrom badmailfrom-unknown badrcptto databytes goodmailaddr localiphost (me) locals (me) locals.cdb (cdb format) rcpthosts rcpthosts.cdb (cdb format) relaymailfrom smtpclustercookie smtpgreeting (me) timeoutsmtpd (1200)

All errors come back as clear

Exit codes:

0 normal exit

qmail-verify Command line parameters:

Environment variables

none

Configuration files: Idapserver

Idapbasedn Idaplogin (anonymous) Idappassword

Idapobjectclass Idaptimeout (30)

Exit codes:

0 success 1 read/write error

100 control file error

111 soft error

auth_smtp

Command line parameters:

Environment variables

LOGLEVEL

Configuration files:

Idapbasedn Idaplogin (anonymous) Idappassword Idaprebind (off)

Idapobjectclas Idaptimeout (30)

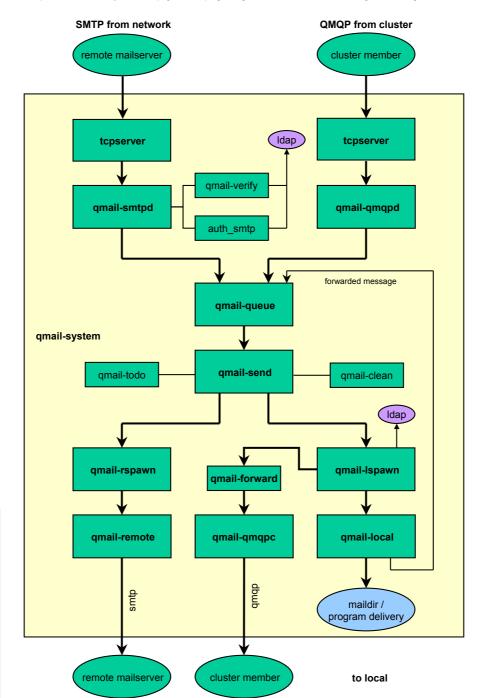
Exit codes:

0 success 111 soft error

THE BIG Qmail-LDAP PICTURE

Version 20031112 for gmail-ldap-1.03-20031101

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



amail-remote

Command line parameters:

sender

recip [recip ...]

Environment variables:

none

Configuration files:

helohost (me) outgoingip (0.0.0.0) smtpclustercookie smtproutes timeoutconnect (60) timeoutremote (1200)

Exit codes:

always 0 and all errors come back as clear text

qmail-forward

Command line parameters:

sende

recip

Environment variables:

Configuration files:

Exit codes:

100 hard error

qmail-qmqpc

Command line parameters:

Environment variables:

Configuration files:

qmqpservers (host) qmqpcip (0.0.0.0)

Exit codes:

exits if no amap server is

reachable

qmail-queue

Command line parameters:

Environment variables:

QMAILQUEUE

Configuration files:

bigbrother

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 queueding

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-send

Command line parameters:

Environment Variables:

Configuration files:

bouncefrom (mailer-daemon) bouncehost (me) bouncemaxbytes (unlimited) concurrencylocal (10) concurrencyremote (20) custombouncetext doublebouncehost (me) doublebounceto (postmaster) envnoathost (me) locals (me) locals.cdb (cdb format) percenthack queuelifetime (604800)

virtualdomains Exit codes:

always 0 check logfile

aliasempty

qmail-Ispawn

Command line parameters:

Environment variables: LOGI EVEL

Configuration files:

Idapserver Idapbasedn

Idaplogin (anonymous) Idappassword Idapuid

Idapqid Idapmessagestore

Idapobjectclass Idaplocaldelivery (on)

Idapdefaultdotmode (Idaponly) Idaptimeout (30) Idapcluster (off)

Idapclusterhosts defaultquotasize (0) defaultquotacount (0)

dirmaker

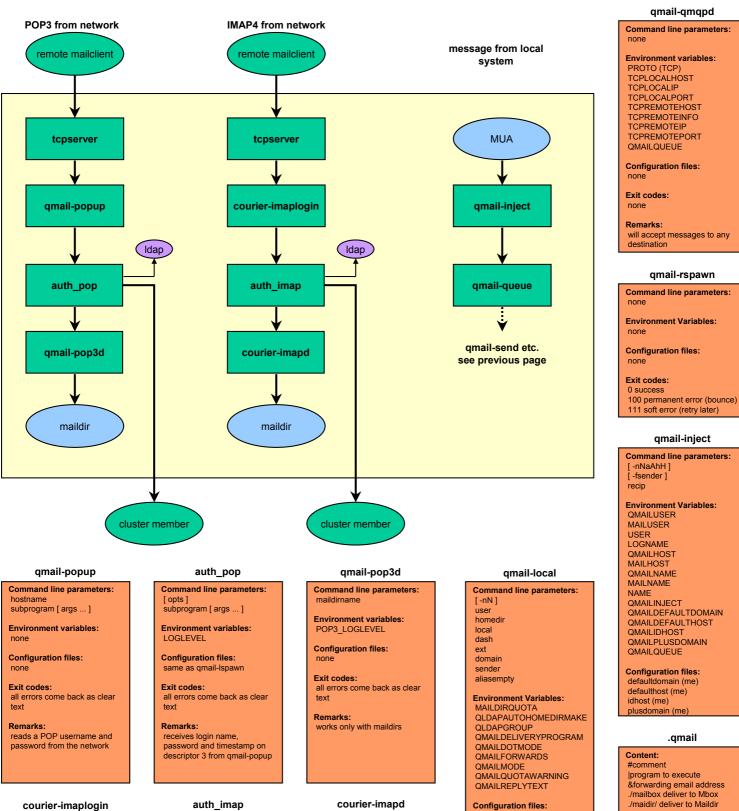
me ~users/cdb ~bin/qmail-getpw

Exit codes:

0 success 100 aliasempty missing 111 soft error (retry later) Most errors come back as

-locals.cdb replaces locals -rcpthosts.cdb replaces rcpthosts + morercpthosts.cdb

-Domains listed in locals don't need to be listed in rcpthosts



courier-imaplogin	password and timestamp on descriptor 3 from qmail-popup	courier-imapd	QMAILDOTMODE QMAILFORWARDS QMAILMODE QMAILQUOTAWARNING QMAILREPLYTEXT Configuration files:	Content: #comment program to execute &forwarding email address ./mailbox deliver to Mbox ./maidir/ deliver to Maildir
		·	~home/.qmail	and the second second
ownmand line parameters: ostname obprogram [args] ovironment variables: one onfiguration files: one iit codes: lerrors come back as clear oxt ownarks: ads a IMAP username and assword from the network	Command line parameters: [opts] subprogram [args] Environment variables: LOGLEVEL Configuration files: same as qmail-Ispawn Exit codes: all errors come back as clear text Remarks: receives login name, password and timestamp on descriptor 3 from imaplogin	Command line parameters: maildirname Environment variables: IMAP_CAPABILITIES Configuration files: none Exit codes: all errors come back as clear text Remarks: works only with maildirs	~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 Remarks: none	Exit codes of program: 0 success 99 success and abort .qmail 100 permanent error (bounce) 111 soft error (retry later)

Command line parameters:

all errors come back as clear

reads a IMAP username and

password from the network

Environment variables:

Configuration files:

hostname subprogram [args ...]

Exit codes:

Remarks:

text

qmail-local programs

qmail-reply

Description: replies to incoming emails

Command line parameters:

[maildir]

Environment variables:

REPLYTEX1 QMAILQUEUE

Options:

f repymsgfile -j junksenderfile

Exit codes of program:

0 success 100 hard error 111 soft erro

qmail-quotawarn

Description:

puts a quota warning email into users maildir

Command line parameters:

Environment variables:

Configuration files:

quotawarning

Exit codes of program:

100 hard error 111 soft error

Remarks:

none

qmail-group

Description:

distributes emails to members of groups

Command line parameters:

Environment variables:

QMAILQUEUE

Configuration files:

Idapgrouplogin ldapgrouppassword

Exit codes of program:

100 hard error 111 soft error

Remarks: none

qmail-secretary

Description:

and moderation to groups

Command line parameters:

[opts]

Environment variables:

CONFIRMMESS

Options:

-c enable user confirmation -m moderator [-m moderator..]

Exit codes of program:

0 success 99 success 100 hard error 111 soft error

Remarks:

ezmlm mode with -z option

LDAP attributes

general objectclass

[m] classes of this object

Required attributes:

[s] distinguished name [s] common name

Optional attributes:

objectclass

[s] first name [s] last (sur)name givenname and anything else

[s] single value attribute [m] multiple value attribute

qmailUser objectclass

Required attributes:

[s] email uid [s] user id
userPassword [s] encrypted password
mailMessageStore [s] path to maildir [homeDirectory [s] path to homedir]

mailAlternateAddress [m] email qmailUID [s] system uid qmailGID

qmailGID [s] system gid
mailQuotaSize [s] max maildir size in bytes
mailQuotaCount [s] max maildir email number mailSizeMax [s] max single email size mailForwardingAddress [m] email deliveryProgramPath [m] program delivery

deliveryMode [m] reply, nolocal, noforward, noprogram mailReplyText [s] text for reply message qmailDotMode [s] use/ignore dot qmail files

[s] host of physical maildir accountStatus [s] active, noaccess, disabled qmailAccountPurge [s] purge maildir on date

qmailGroup objectclass

Required attributes:

[s] email mailAlternateAddress [m] email mailMessageStore [s] path to maildir

Optional attributes:

[m] dn of member dnMember rfc822member [m] email of member filtermember [m] filter for members membersonly [s] boolean

senderconfirm [s] boolean [s] text in confirmation message confirmtext dnmoderator [m] dn of moderator rfc822moderator [m] email of moderator moderatortext [s] text in moderator message

pbs (pop-before-smtp) tools

pbsadd

Description:

adds remote ip into database

Command line parameters:

prog [args ...]

Environment variables:

Configuration files:

pbsport

pbsenv

Exit codes:

Remarks:

Sends remote ip to all servers listed in pbsservers

pbscheck Description:

the pbs database

Command line parameters:

prog [args ...]

Environment variables:

TCPREMOTEIP

Configuration files:

pbsservers pbsport pbssecret pbsenv

Exit codes:

If remote ip is in database it sets RELAYCLIENT

pbsdbd

pbs database daemon

Command line parameters:

Description:

Environment variables:

Configuration files:

pbsport pbscachesize pbstimeout

Exit codes: Remarks:

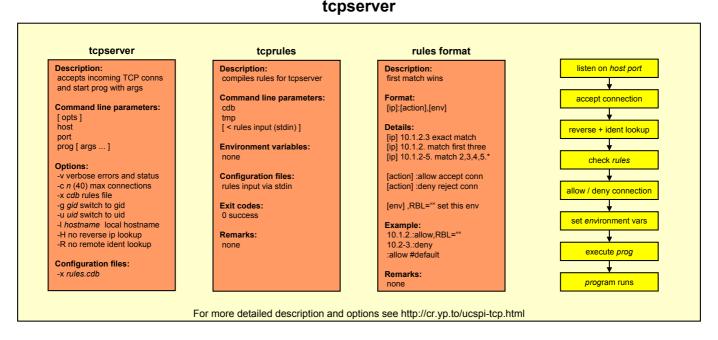
Only accepts additions or requests if secret is the same

smtp tcpserver pbscheck gmail-smtpd (pbsdbd) pop3 / imap4 tcpserver qmail-popup auth_pop pbsadd

For more detailed description and options see /var/qmail/doc/POPBEFORESMTP

daemontools

service dirformat svc svstat envdir Description: Description: **Description:** directory format of services Description: controls supervised service reports status of service converts files in diretory into environment variables and Command line parameters: Command line parameters: Directories: runs prog service directory [directory ..] service service directory [directory ..] service/log/ Command line parameters: Configuration files: directory prog [args ...] service directory service/run ·u start/restart service ./supervise service/log/run -d stop service Options: -o start once, no restart -h send HUP signal -a send ALRM signal prints status, pid and uptime Remarks: Configuration files: of service none ./directory/* file name will be name of env -t send TERM signal -k send KILL signal file content will be value of env Configuration files: service directory Exit codes: 111 error reading files Remarks: Remarks: supervise is designed to run forever softlimit multilog setuidgid svscan Description: **Description:** Description: Description: ches to accounts uid/gid sets limits to opts and runs puts stdin into log files tart and monitor services and runs prog prog Command line parameters: Command line parameters: Command line parameters: Command line parameters: account opts prog [args ...] prog [args ...] Configuration files: Script args: t timestamp in tai64 format Options: ./dir log directory -d n limit data segment sn rotate when size n bytes nn number of old log files Exit codes: -s n limit stack segment -m n all of the above !processor run through script Configuration files: -o n limit open file descritors Remarks: -p *n* limit number of processes Configuration files: Scans directory every five Exit codes: seconds 111 UNIX account not found n in bytes Starts supervise and ./run Exit codes: for every directory Starts supervise and ./log/run for every directory Remarks: Configuration files: 111 fatal error none Remarks: Exit codes: none



For more detailed description and options see http://cr.yp.to/daemontools.html

user and system management

qmail-ldaplookup

analyze Idap objects for gmail-Idap and qmailUser schema

Command line parameters:

- -d n debug leve
- -u uid search for uid -m mail search for mail
- -p passwd password check
- -D binddn Idap bind user -w bindpw Idap user passwd

Environment variables:

Configuration files:

all Idap* files

complains if there is a problem

explains Idap object config

qmail-showctl

Description:

analyze the amail config files

Command line parameters:

Environment variables:

Configuration files:

all qmail(-ldap) configuration

complains if there is a problem

Remarks: explains the current qmail

configuration

digest

Description: password output in formats SSHA SHA SMD5 MD5 MD4 RMD160 NS-MTA-MD5 and

Command line parameters:

password

- -s salt based64 salt -S salt hex salt
- -v passwd hash compare pw

0 success

converts password to hashed formats

qmail-cdb

Description:

cdb file generator for locals.cdb and rcpthosts.cdb

Command line parameters:

tmp

[< domains input (stdin)]

Environment variables:

Configuration files:

domains input via stdin

Exit codes:

Remarks:

queue management

qmail-qstat

Description:

summarize status of mail

Command line parameters:

Environment variables:

Configuration files:

complains if there is a problem

must be run either as root or with gid qmail

qmail-gread

list outgoing messages and recipients

Command line parameters:

Environment variables:

Configuration files:

complains if there is a problem

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

qmail-tcpto

prints qmail-remote's current list of timeouts

Command line parameters:

Environment variables:

Configuration files:

complains if there is a problem

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

qmail-tcpok

erases qmail-remote's current list of timeouts

Command line parameters:

Environment variables:

Configuration files:

Exit codes:

complains if there is a problem

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 process id

other qmail daemons

qmail-start

Description:

turn on mail delivery

Command line parameters:

logger [args ...]

Environment variables:

none

Configuration files: none

Exit codes:

does not print anything, even on failure

make sure to clean up the environment before starting

qmail-todo

Description:

processes emails from qmail-queue

Command line parameters:

Environment variables:

Configuration files: envnoathost locals.cdb

percenthack . virtualdomains

none

can only be started by

qmail-clean

Description:

clean up the queue directory after email has been delivered

Command line parameters:

Environment variables: none

Configuration files:

Exit codes:

Remarks:

can only be started by amail-start