

NAME

zmailer – zmailer control script

SYNOPSIS

zmailer

```
[--zconfig /mail/zmailer-x.conf] [[-q] [kill|nuke|stop] [start] [router] [scheduler]
[smtpserver] [newdb] [newaliases] [resubmit] [bootclean] [cleanup] [logsync]
[freeze] [thaw|unfreeze]]
```

DESCRIPTION

The *zmailer*(1zm) is the quick interface to starting and stopping the local mail daemons, and doing other administrative chores.

There are three daemons, called the *router*(8zm), the *scheduler*(8zm), and the *smtpserver*(8zm).

The *router*(8zm)'s home directory is *POSTOFFICE/router*, which it scans every 15 idle seconds for newly submitted message files. The *router*(8zm) determines what to do with a message. It will typically send it on to the *scheduler*(8zm) queue. This is maintained in the *POSTOFFICE/scheduler* directory, which is also the working directory of the *scheduler*(8zm) and its transport agents. The *scheduler*(8zm) process is what listens to the **mailq** TCP port for queries from the *mailq*(1zm) program used to examine the state of the transport queues.

OPTIONS

Invoking *zmailer*(1zm) without any argument is equivalent to giving the three arguments:

router scheduler smtpserver

Invoking *zmailer*(1zm) with only one argument, "**kill**", is equivalent to invoking it with the four arguments:

kill router scheduler smtpserver

The arguments specify actions to take in sequence:

--zconfig /path/to/zconfig

accepted only as the *first* parameter, and can be used to override the hardcoded system-wide value of ZCONFIG ZENV variable. This value will also be propagated to all daemons started by this script.

-q shuts up this script wrapper from muttering anything.

freeze sets a flag so that latter options/executions of the *zmailer* script need at first an **unfreeze** to allow restart of various subprograms. The goal is to keep automatically restarting systems from starting up a mailer when there is a maintenance going on.

unfreeze

clears the flag that **freeze** did set. Has an alias: **thaw**.

kill sets a flag so that when the following arguments are executed, the relevant process will be shut down gracefully, as opposed to restarted. If **kill** is the last (or only) argument, it will terminate all three daemons.

nuke is like **kill** except the processes are shut down with the KILL signal.

start clears the nuke/kill flag, and all daemons explicitly named after this (or if this the last in the command line, then all) will be started.

router

will start up (or shut down if after a **kill**) a new *router* daemon.

scheduler

will start up (or shut down if after a **kill**) a new *scheduler* daemon.

smtpserver

will start up (or shut down if after a **kill**) a new SMTP server daemon.

newdb

will run database regeneration per definitions at "*MAILSHARE/db/dbases.conf*" file. See *zdbases.conf* (5zm).

newaliases

will run the script to recreate the alias database from the "*MAILSHARE/db/aliases*" file. (*This is old invocation method, and is superceded with "newdb"*)

resubmit

moves messages from the *POSTOFFICE/deferred* directory to the *POSTOFFICE/router* directory. This should be run regularly by cron.

bootclean

does any necessary boot-time cleanup.

cleanup

gets rid of old files from the *POSTOFFICE/postman* and *POSTOFFICE/public* directories. This should be run once a day or week or month.

logsync

A "post-logfile-movement" call hook to do things needed in various subsystems to get their logfiles reopened, or some such. Most subsystems have automated "reopen everything within 30 seconds of previous reopen" logic inside them. Some may have other requirements.

EXAMPLES

To stop the currently running daemons:

```
zmailer kill
```

At boot time, typically the following script fragment will be run to start up all the daemons:

```
if [ -f $MAILSHARE/zmailer ]; then
    $MAILSHARE/zmailer -q &
    (echo -n ' zmailer')    >/dev/console
fi
```

FILES

/opt/mail/zmailer.conf
ZCONFIG file

/var/spool/postoffice
\$POSTOFFICE

/opt/mail/bin/router
\$MAILBIN/router

/opt/mail/bin/scheduler
\$MAILBIN/scheduler

/opt/mail/bin/smtpserver
\$MAILBIN/smtpserver

SEE ALSO

router(8zm), *scheduler*(8zm), *smtpserver*(8zm), *mailq*(1zm), *newdb*(8zm), *zdbases.conf* (5zm), *zmailer.conf* (5zm).

AUTHOR

This program authored and copyright by:

Rayan Zachariassen <no address>

Modifications over the years 1990-2003 by:

Matti Aarnio <mea@nic.funet.fi>