Contents

1 Name

mq_copy - Command line interface to Linux, POSIX, message queues.

2 Description

Provides a command line interface, usable by scripting languages, to the Linux system of POSIX message queues.

The Linux system provides the POSIX message queues as a modified file descriptor. The default location is under the directory: */dev/mqueue* .

POSIX message queues have kernel persistence. If not removed by *unlink*, the queue will exist until the system is shut down. The action: *"unlink on close"* is a *mq_copy* command line option.

POSIX message queues allow processes to exchange data in the form of messages.

mq_copy supports line oriented, string messages. That is, lines terminated by the new-line character.

mq_copy provides two basic functions: *copy_in* and *copy_out*.

- The *copy-in* function copies line oriented strings on *stdin* as messages to a specified queue.

- The *copy-out* function copies messages from the specified queue as line oriented strings to *stdout*.

3 Arguments

   mq_copy   [--in | --out]   [options]   */queue_name*

The minimum command arguments are the function, either *–in* (copy_in) or *–out* (copy_out) and the name of an existing queue. The GLIBC library requires that the queue name begin with the path separator character '/'.

3.1 Function

   [--ci | --in | -i]   copy stdin to queue
   [--co | --out | -o]   copy queue to stdout

3.2 Options

   [--create | --cr | -c]   Create queue if not already present on open
   [--exclusive | --ex | -x]   Create queue on open, queue must not exist.
   default   Open existing queue
   [--ro | -r]   Open queue as read-only
   [--wo | -w]   Open queue as write-only
   default   Open queue as read-write