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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