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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'mq_unlink.3p' command

$ man mq_unlink.3p

MQ_UNLINK(3P) POSIX Programmer's Manual MQ_UNLINK(3P)

PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

NAME

mq_unlink ? remove a message queue (REALTIME)

SYNOPSIS

#include <mqueue.h>

int mq_unlink(const char *name);

DESCRIPTION

The mq_unlink() function shall remove the message queue named by the string name. If one or more processes have the message queue open when mq_unlink() is called, destruction of the message queue shall be post? poned until all references to the message queue have been closed. How? ever, the mq_unlink() call need not block until all references have been closed; it may return immediately.

After a successful call to mq_unlink(), reuse of the name shall subse? quently cause mq_open() to behave as if no message queue of this name exists (that is, mq_open() will fail if O_CREAT is not set, or will create a new message queue if O_CREAT is set).

RETURN VALUE

Upon successful completion, the function shall return a value of zero.

Otherwise, the named message queue shall be unchanged by this function call, and the function shall return a value of -1 and set errno to in? dicate the error.

ERRORS

The mq_unlink() function shall fail if:

EACCES Permission is denied to unlink the named message queue.

EINTR The call to mq_unlink() blocked waiting for all references to the named message queue to be closed and a signal interrupted the call.

ENOENT The named message queue does not exist.

The mq_unlink() function may fail if:

ENAMETOOLONG

The length of the name argument exceeds {_POSIX_PATH_MAX} on systems that do not support the XSI option or exceeds {_XOPEN_PATH_MAX} on XSI systems, or has a pathname component that is longer than {_POSIX_NAME_MAX} on systems that do not support the XSI option or longer than {_XOPEN_NAME_MAX} on XSI systems. A call to mq_unlink() with a name argument that con? tains the same message queue name as was previously used in a successful mq_open() call shall not give an [ENAMETOOLONG] er? ror.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

A future version might require the mq_open() and mq_unlink() functions to have semantics similar to normal file system operations.

SEE ALSO

mq_close(), mq_open(), msgctl(), msgget(), msgrcv(), msgsnd()

The Base Definitions volume of POSIX.1?2017, <mqueue.h>

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