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

\$ man mq_setattr.3p

MQ_SETATTR(3P) POSIX Programmer's Manual MQ_SETATTR(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_setattr ? set message queue attributes (REALTIME)

SYNOPSIS

```
#include <mqueue.h>

int mq_setattr(mqd_t mqdes, const struct mq_attr *restrict mqstat,
               struct mq_attr *restrict omqstat);
```

DESCRIPTION

The mq_setattr() function shall set attributes associated with the open message queue description referenced by the message queue descriptor specified by mqdes.

The message queue attributes corresponding to the following members defined in the mq_attr structure shall be set to the specified values upon successful completion of mq_setattr():

mq_flags The value of this member is the bitwise-logical OR of zero or more of O_NONBLOCK and any implementation-defined flags.

The values of the mq_maxmsg, mq_msgsize, and mq_curmsgs members of the mq_attr structure shall be ignored by mq_setattr().

If `mqstat` is non-NULL, the `mq_setattr()` function shall store, in the location referenced by `mqstat`, the previous message queue attributes and the current queue status. These values shall be the same as would be returned by a call to `mq_getattr()` at that point.

RETURN VALUE

Upon successful completion, the function shall return a value of zero and the attributes of the message queue shall have been changed as specified.

Otherwise, the message queue attributes shall be unchanged, and the function shall return a value of -1 and set `errno` to indicate the error.

ERRORS

The `mq_setattr()` function shall fail if:

EBADF The `mqdes` argument is not a valid message queue descriptor.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

`mq_open()`, `mq_send()`, `msgctl()`, `msgget()`, `msgrcv()`, `msgsnd()`

The Base Definitions volume of POSIX.1-2017, `<mqqueue.h>`

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