

**NAME**

**mq\_close** - close a message queue (REALTIME)

**LIBRARY**

POSIX Real-time Library (librt, -lrt)

**SYNOPSIS**

```
#include <mqueue.h>
```

*int*

```
mq_close(mqd_t mqdes);
```

**DESCRIPTION**

The **mq\_close()** system call removes the association between the message queue descriptor, *mqdes*, and its message queue. The results of using this message queue descriptor after successful return from this **mq\_close()**, and until the return of this message queue descriptor from a subsequent **mq\_open()**, are undefined.

If the process has successfully attached a notification request to the message queue via this *mqdes*, this attachment will be removed, and the message queue is available for another process to attach for notification.

**RETURN VALUES**

Upon successful completion, the value 0 is returned; otherwise the value -1 is returned and the global variable *errno* is set to indicate the error.

**ERRORS**

The **mq\_close()** system call will fail if:

[EBADF]           The *mqdes* argument is not a valid message queue descriptor.

**SEE ALSO**

mq\_open(2), mq\_unlink(2)

**STANDARDS**

The **mq\_close()** system call conforms to IEEE Std 1003.1-2004 ("POSIX.1").

**HISTORY**

Support for POSIX message queues first appeared in FreeBSD 7.0.

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