

**NAME**

**mq\_unlink** - mq\_unlink - remove a message queue (REALTIME)

**LIBRARY**

POSIX Real-time Library (librt, -lrt)

**SYNOPSIS**

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

*int*

```
mq_unlink(const char *name);
```

**DESCRIPTION**

The **mq\_unlink()** function removes 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 will be postponed until all references to the message queue have been closed. However, 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 will subsequently cause **mq\_open(2)** to behave as if no message queue of this name exists.

**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\_unlink()** system call will fail if:

[EACCESS]           Permission is denied to unlink the message queue represented by *name*.

[EINVAL]           *name* is invalid.

[ENAMETOOLONG]       The length of the *name* argument exceeds {PATH\_MAX} or a pathname component is longer than {NAME\_MAX}.

[ENOENT]           The message queue does not exist.

[ENOSYS]           mqueuefs(5) module is neither loaded nor included in the kernel.

**SEE ALSO**

mq\_open(2)

**STANDARDS**

The **mq\_unlink()** system call conforms to IEEE Std 1003.1-2004 ("POSIX.1"). The [EACCESS] error code is an extension to the standard.

**HISTORY**

Support for POSIX message queues first appeared in FreeBSD 7.0.

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