



Linux Ubuntu 26.04 Manual Pages on command 'tmpfile.3'

\$ man tmpfile.3

tmpfile(3) Library Functions Manual tmpfile(3)

NAME

tmpfile - create a temporary file

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <stdio.h>
```

```
FILE *tmpfile(void);
```

DESCRIPTION

The tmpfile() function opens a unique temporary file in binary read/write (w+b) mode. The file will be automatically deleted when it is closed or the program terminates.

RETURN VALUE

The tmpfile() function returns a stream descriptor, or NULL if a unique filename cannot be generated or the unique file cannot be opened. In the latter case, errno is set to indicate the error.

ERRORS

EACCES Search permission denied for directory in file's path prefix.

EEXIST Unable to generate a unique filename.

EINTR The call was interrupted by a signal; see signal(7).

EMFILE The per-process limit on the number of open file descriptors has been reached.

ENFILE The system-wide limit on the total number of open files has been reached.

ENOSPC There was no room in the directory to add the new filename.

EROFS Read-only filesystem.

ATTRIBUTES

For an explanation of the terms used in this section, see attributes(7).

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? Interface ? Attribute ? Value ?

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? tmpfile() ? Thread safety ? MT-Safe ?

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VERSIONS

The standard does not specify the directory that tmpfile() will use. glibc will try the path prefix P_tmpdir defined in <stdio.h>, and if that fails, then the directory /tmp.

STANDARDS

C11, POSIX.1-2008.

HISTORY

POSIX.1-2001, C89, SVr4, 4.3BSD, SUSv2.

NOTES

POSIX.1-2001 specifies: an error message may be written to stdout if the stream cannot be opened.

SEE ALSO

exit(3), mkstemp(3), mktemp(3), tempnam(3), tmpnam(3)

Linux man-pages 6.17

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