



## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'tmpfile.3'***

**C:\>man tmpfile.3**

TMPFILE(3)                      Linux Programmer's Manual                      TMPFILE(3)

### NAME

tmpfile - create a temporary file

### 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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## CONFORMING TO

POSIX.1-2001, POSIX.1-2008, C89, C99, SVr4, 4.3BSD, SUSv2.

## NOTES

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

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 the directory `/tmp`.

## SEE ALSO

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

## COLOPHON

This page is part of release 5.05 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.