



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

\$ man mkdtemp.3

mkdtemp(3) Library Functions Manual mkdtemp(3)

NAME

mkdtemp - create a unique temporary directory

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <stdlib.h>
```

```
char *mkdtemp(char *template);
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

```
mkdtemp():
```

```
/* Since glibc 2.19: */ _DEFAULT_SOURCE
```

```
|| /* glibc 2.19 and earlier: */ _BSD_SOURCE
```

```
|| /* Since glibc 2.10: */ _POSIX_C_SOURCE >= 200809L
```

DESCRIPTION

The `mkdtemp()` function generates a uniquely named temporary directory from `template`. The last six characters of `template` must be `XXXXXX` and these are replaced with a string that makes the directory name unique. The directory is then created with permissions `0700`. Since it will be modified, `template` must not be a string constant, but should be declared as a character array.

RETURN VALUE

The `mkdtemp()` function returns a pointer to the modified `template` string on success, and `NULL` on failure, in which case `errno` is set to indicate the error.

ERRORS

EINVAL The last six characters of template were not XXXXXX. Now template is unchanged.

Also see `mkdir(2)` for other possible values for `errno`.

ATTRIBUTES

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

[illegible]

? Interface ? Attribute ? Value ?

[illegible]

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

[illegible]

STANDARDS

POSIX.1-2008.

HISTORY

glibc 2.1.91. NetBSD 1.4. POSIX.1-2008.

SEE ALSO

mktemp(1), mkdir(2), mkstemp(3), mktemp(3), tmpnam(3), tmpfile(3), tmpnam(3)

Linux man-pages 6.17

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mkdtemp(3)