



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

\$ man strndupa.3

strdup(3) Library Functions Manual strdup(3)

NAME

strdup, strndup, strdupa, strndupa - duplicate a string

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <string.h>

char *strdup(const char *s);

char *strndup(size_t n;
              const char s[n], size_t n);

char *strdupa(const char *s);

char *strndupa(size_t n;
              const char s[n], size_t n);
```

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

```
strdup():
    _XOPEN_SOURCE >= 500
    || /* Since glibc 2.12: */ _POSIX_C_SOURCE >= 200809L
    || /* glibc <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE
```

strndup():

```
Since glibc 2.10:
    _POSIX_C_SOURCE >= 200809L
```

```
Before glibc 2.10:
    _GNU_SOURCE
```

strdupa(), strndupa():

_GNU_SOURCE

DESCRIPTION

The `strdup()` function returns a pointer to a new string which is a duplicate of the string

s. Memory for the new string is obtained with `malloc(3)`, and can be freed with `free(3)`.

The `strndup()` function is similar, but copies at most `n` bytes. If `s` is longer than `n`, only `n` bytes are copied, and a terminating null byte (`'\0'`) is added.

strdupa() and strndupa() are similar, but use alloca(3) to allocate the buffer.

RETURN VALUE

On success, the `strdup()` function returns a pointer to the duplicated string. It returns

NULL if insufficient memory was available, with errno set to indicate the error.

ERRORS

ENOMEM Insufficient memory available to allocate duplicate string.

ATTRIBUTES

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

[illegible]

?	Interface	?	Attribute	?	Value	?
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[illegible]

? strdup(), strndup(), strdupa(), strndupa() ? Thread safety ? MT-Safe ?

[illegible]

STANDARDS

strdup()

strndup()

POSIX.1-2008.

strdupa()

strndupa()

GNU.

HISTORY

strdup()

SVr4, 4.3BSD-Reno, POSIX.1-2001.

strndup()

POSIX.1-2008.

strdupa()

strndupa()

GNU.

SEE ALSO

alloca(3), calloc(3), free(3), malloc(3), realloc(3), string(3), wcsdup(3)

Linux man-pages 6.17

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strdup(3)