



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

\$ man getdtablesize.3

getdtablesize(3) Library Functions Manual getdtablesize(3)

NAME

getdtablesize - get file descriptor table size

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <unistd.h>
```

```
int getdtablesize(void);
```

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

getdtablesize():

Since glibc 2.20:

```
_DEFAULT_SOURCE || ! (_POSIX_C_SOURCE >= 200112L)
```

glibc 2.12 to glibc 2.19:

```
_BSD_SOURCE || ! (_POSIX_C_SOURCE >= 200112L)
```

Before glibc 2.12:

```
_BSD_SOURCE || _XOPEN_SOURCE >= 500
```

DESCRIPTION

getdtablesize() returns the maximum number of files a process can have open, one more than the largest possible value for a file descriptor.

RETURN VALUE

The current limit on the number of open files per process.

ERRORS

On Linux, getdtablesize() can return any of the errors described for getrlimit(2); see VER?

ATTRIBUTES

[illegible][illegible]

? getdtablesize()	? Thread safety ? MT-Safe ?
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[illegible]

The glibc version of getdtablesize() calls getrlimit(2) and returns the current

RLIMIT_NOFILE limit, or OPEN_MAX when that fails.

Portable applications should employ `sysconf(_SC_OPEN_MAX)` instead of this call.

None.

SVr4, 4.4BSD (first appeared in 4.2BSD).

close(2), dup(2), getrlimit(2), open(2)

Linux man-pages 6.17

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```
getdtbysize(3)
```