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## **Linux Ubuntu 22.4.5 Manual Pages on command 'getdtablesize.2'**

**\$ man getdtablesize.2**

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

### NAME

getdtablesize - get file descriptor table size

### SYNOPSIS

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

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

Feature Test Macro Requirements for glibc (see feature\_test\_macros(7)):

getdtablesize():

Since glibc 2.12:

```
/* Glibc since 2.19: */ _DEFAULT_SOURCE
|| /* Glibc versions <= 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 NOTES below.

## ATTRIBUTES

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

??

?Interface ? Attribute ? Value ?

??

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

??

## CONFORMING TO

SVr4, 4.4BSD (the getdtablesize() function first appeared in 4.2BSD). It is not specified in POSIX.1; portable applications should employ sysconf(\_SC\_OPEN\_MAX) instead of this call.

## NOTES

getdtablesize() is implemented as a libc library function. The glibc version calls getrlimit(2) and returns the current RLIMIT\_NOFILE limit, or OPEN\_MAX when that fails.

## SEE ALSO

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

## 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/>.