NAME

getdtablesize − get descriptor table size

SYNOPSIS

```
#include <unistd.h>

int getdtablesize(void);
```

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

getdtablesize(): _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.

CONFORMING TO

SVr4, 4.4BSD (the **getdtablesize**() function first appeared in 4.2BSD). It is not specified in POSIX.1-2001; 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. The libc4 and libc5 versions return **OPEN_MAX** (set to 256 since Linux 0.98.4).

SEE ALSO

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

COLOPHON

This page is part of release 3.22 of the Linux *man-pages* project. A description of the project, and information about reporting bugs, can be found at http://www.kernel.org/doc/man-pages/.