Red Hat Enterprise Linux Release 9.2 Manual Pages on 'getdtablesize.3' command

$ man getdtablesize.3

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 at?
tributes(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

The glibc version of getdtablesize() 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 5.10 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/.

Linux   2020-06-09   GETDTABLESIZE(3)