Standard C Library Functions   dup2(3C)

NAME
     dup2 - duplicate an open file descriptor

SYNOPSIS
     #include <unistd.h>

     int dup2(int fildes, int fildes2);

DESCRIPTION
     The dup2() function causes the file descriptor fildes2 to
     refer to the same file as fildes. The fildes argument is a
     file descriptor referring to an open file, and fildes2 is a
     non-negative integer less than the current value for the
     maximum number of open file descriptors allowed the calling
     process.   See getrlimit(2). If fildes2 already refers to an
     open file, not fildes, it is closed first. If fildes2 refers
     to fildes, or if fildes is not a valid open file descriptor,
     fildes2 will not be closed first.

     The dup2() function is equivalent to   fcntl(fildes,
     F_DUP2FD, fildes2).

RETURN VALUES
     Upon successful completion a non-negative integer represent-
     ing the file descriptor is returned. Otherwise, -1 is
     returned and errno is set to indicate the error.

ERRORS
     The dup2() function will fail if:

     EBADF The fildes argument is not a valid open file descrip-
           tor.

     EBADF The files2 argument is negative or is not less than
           the   current   resource   limit   returned   by
           getrlimit(RLIMIT_NOFILE, ...).

     EINTR A signal was caught during the dup2() call.

     EMFILE
           The process has too many open files. See fcntl(2).

ATTRIBUTES
     See attributes(5) for descriptions of the following attri-
     butes:

     _____
    | ATTRIBUTE TYPE | ATTRIBUTE VALUE |
    |_____|_____|
    | MT-Level | Safe |
    |_____|_____|

SEE ALSO
     close(2),   creat(2),   exec(2),   fcntl(2),   getrlimit(2),
     open(2), pipe(2), lockf(3C), attributes(5)

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