NAME

fpathconf, pathconf - get configuration values for files

SYNOPSIS

#include <unistd.h>

long fpathconf(int *fd***, int** *name***);**
long pathconf(const char ***_path_, int** *name***);**

DESCRIPTION

fpathconf() gets a value for the configuration option *name* for the open file descriptor *fd*.

pathconf() gets a value for configuration option *name* for the filename *path*.

The corresponding macros defined in<*unistd.h*> are minimum v alues; if an application wants to take advantage of values which may change, a call to **fpathconf**() or **pathconf**() can be made, which may yield more liberal results.

Setting *name* equal to one of the following constants returns the following configuration options:

_PC_LINK_MAX
returns the maximum number of links to the file. If *fd* or *path* refer to a directory, then the value applies to the whole directory. The corresponding macro is**_POSIX_LINK_MAX**.

_PC_MAX_CANON
returns the maximum length of a formatted input line, where *fd* or *path* must refer to a terminal. The corresponding macro is **_POSIX_MAX_CANON**.

_PC_MAX_INPUT
returns the maximum length of an input line, where *fd* or *path* must refer to a terminal. The corresponding macro is **_POSIX_MAX_INPUT**.

_PC_NAME_MAX
returns the maximum length of a filename in the directory *path* or *fd* that the process is allowed to create. The corresponding macro is**_POSIX_N AME_MAX**.

_PC_PATH_MAX
returns the maximum length of a relative pathname when *path* or *fd* is the current working directory. The corresponding macro is**_POSIX_P ATH_MAX**.

_PC_PIPE_BUF
returns the size of the pipe buffer, where *fd* must refer to a pipe or FIFO and *path* must refer to a FIFO. The corresponding macro is**_POSIX_PIPE_B UF**.

_PC_CHOWN_RESTRICTED
returns nonzero if the chown(2) call may not be used on this file. If *fd* or *path* refer to a directory, then this applies to all files in that directory. The corresponding macro is **_POSIX_CHOWN_RESTRICTED**.

_PC_NO_TRUNC
returns nonzero if accessing filenames longer than **_POSIX_NAME_MAX** generates an error. The corresponding macro is **_POSIX_NO_TRUNC**.

_PC_VDISABLE
returns nonzero if special character processing can be disabled, where *fd* or *path* must refer to a terminal.

RETURN VALUE

The limit is returned, if one exists. If the system does not have a limit for the requested resource, -1 is returned, and *errno* is unchanged. If there is an error, -1 is returned, and *errno* is set to reflect the nature of the error.

ATTRIBUTES

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

Interface	Attribute	Value
fpathconf(), **pathconf**()	Thread safety	MT-Safe

CONFORMING TO

POSIX.1-2001, POSIX.1-2008.

NOTES

Files with name lengths longer than the value returned for *name* equal to **_PC_NAME_MAX** may exist in the given directory.

Some returned values may be huge; they are not suitable for allocating memory.

SEE ALSO

getconf(1), open(2), statfs(2), confstr(3), sysconf(3)

COLOPHON

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