NAME

kinfo_getfile - function for getting per-process file descriptor information

LIBRARY

System Utilities Library (libutil, -lutil)

SYNOPSIS

#include <sys/types.h>
#include <sys/user.h>
#include <libutil.h>

*struct kinfo_file *
kinfo_getfile(*pid_t pid*, *int *cntp*);

DESCRIPTION

This function is used for obtaining the file descriptor information of a particular process.

The *pid* field contains the process identifier. This should be the a process that you have privilege to access. The *cntp* field allows the caller to know how many records are returned.

This function is a wrapper around sysctl(3) with the KERN_PROC_FILEDESC mib. While the kernel returns a packed structure, this function expands the data into a fixed record format.

RETURN VALUES

On success the **kinfo_getfile**() function returns a pointer to an array of *struct kinfo_file* structures as defined by *<sys/user.h>*. The array was obtained by an internal call to malloc(3) and must be freed by the caller with a call to free(3). On failure the **kinfo_getfile**() function returns NULL.

SEE ALSO

free(3), kinfo_getvmmap(3), malloc(3), sysctl(3)

HISTORY

The **kinfo_getfile**() function first appeared in FreeBSD 7.0.