NAME

procdesc - process descriptor facility

DESCRIPTION

procdesc is a file-descriptor-oriented interface to process signalling and control, which supplements historic UNIX fork(2) and kill(2), primitives with new system calls such as pdfork(2) and pdkill(2), **procdesc** is designed for use with capsicum(4), replacing process identifiers with capability-oriented references. However, it can also be used independently of capsicum(4), displacing PIDs, which may otherwise suffer from race conditions. Given a process descriptor, it is possible to query its conventional PID using pdgetpid(2).

SEE ALSO

fork(2), kill(2), pdfork(2), pdgetpid(2), pdkill(2), kqueue(2), wait4(2), capsicum(4)

HISTORY

procdesc first appeared in FreeBSD 9.0, and was developed at the University of Cambridge.

AUTHORS

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