

**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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