NAME

readproc, freeproc – read information from next /proc/## entry

SYNOPSIS

#include <proc/readproc.h>

proc_t* readproc(PROCTAB *_PT_, proc_t *_return_buf_);
void freeproc(proc_t *_p_);

DESCRIPTION

readproc reads the information for the next process matching the criteria specified in *PT* and fills them into a *proc_t* structure. If *return_buf* is not NULL, it will use the struct pointed at by *return_buf*. Otherwise it will allocate a new *proc_t* structure and return a pointer to it. Note that (if so specified in *PT*) readproc always allocates memory if it fills in the *environ* or *cmdline* parts of *proc_t*.

freeproc frees all memory allocated for the *proc_t* struct **p*.

The *proc_t* structure is defined in *<proc/readproc.h>*, please look there for a definition of all fields.

RETURN VALUE

readproc returns a pointer to the next *proc_t* or NULL if there are no more processes left.

SEE ALSO

openproc(3), **readproctab**(3), **/usr/include/proc/readproc.h**, **/proc/#pid/**,

REPORTING BUGS

Please send bug reports to ⟨procps@freelists.org⟩