



## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'openproc.3'***

**C:\>man openproc.3**

OPENPROC(3)                      Linux Programmer's Manual                      OPENPROC(3)

### NAME

openproc, closeproc - initialize process information from /proc/

### SYNOPSIS

```
#include <proc/readproc.h>
```

```
PROCTAB* openproc (int flags, ... );
```

```
void closeproc (PROCTAB* PT);
```

### SYNOPSIS

The openproc function initializes a PROCTAB structure which can be used by iterated readproc calls to get information on current processes. Depending on flags, openproc may need a second argument or a second and third argument (see below).

closeproc closes all files opened by openproc and deallocates the memory allocated by openproc.

The PROCTAB structure is defined in <proc/readproc.h>

### RETURN VALUE

openproc returns a pointer to a PROCTAB structure, or NULL if an error occurs. This usually means that /proc cannot be read by the process.

## FLAGS

The behaviour of openproc is controlled by the following set of flags, which may be ORed together. There are three different kinds of flags. The first group of flags determines which information gets read from /proc/#pid for each process. The second group of flags (of which only one can be enacted for a opendir call) restricts which processes information is read for by providing a list of criteria. The third group of flags restricts this as well, but doesn't need arguments. These may be used together again.

### PROC\_FILLMEM

read information from /proc/#pid/statm

### PROC\_FILLCOM

allocate cmdline part of proc\_t and read information from /proc/#pid/cmdline

### PROC\_FILLENV

allocate environ part of proc\_t and read information from /proc/#pid/environ

### PROC\_FILLUSR

resolve user ids to names via /etc/passwd

### PROC\_FILLGRP

resolve group ids to names via /etc/group

### PROC\_FILLSTATUS

read information from /proc/#pid/status

### PROC\_FILLSTAT

read information from /proc/#pid/stat

PROC\_FILLARG

equivalent to PROC\_FILLCOM

PROC\_FILLCGROUP

alloc and fill in cgroup

PROC\_FILLSUPGRP

resolve supplementary group id -> group name

PROC\_FILLOOM

fill in proc\_t oom\_score and oom\_adj

PROC\_FILLNS

fill in proc\_t namespace information

PROC\_FILLSYSTEMD

fill in proc\_t systemd information

PROC\_LOOSE\_TASKS

threat threads as if they were processes

PROC\_PID (2nd argument pid\_t\* pidlist)

lookup only processes whose pid is contained in pidlist (the list is terminated with 0)

PROC\_UID (arguments uid\_t\* uidlist, int n)

lookup only processes whose user id is contained in uidlist (where n is the number of uids contained in the list)

PROC\_EDITCGRPCVT

edit cgroup as single vector

PROC\_EDITCMDLCVT

edit cmdline as single vector

## PROC\_EDITENVRCVT

edit environ as single vector

## NOTE

Only one of the flags needing additional arguments (PROC\_{PID,UID}) may be used at a time.

## SEE ALSO

readproc(3), readproctab(3), /proc/, /usr/include/proc/readproc.h,

## REPORTING BUGS

Please send bug reports to [?procps@freelists.org?](mailto:procps@freelists.org)