

NAME

getpc — get Program Counter data on running processes

SYNOPSIS

getpc [[**-k**] [**-u** pid ...] [**-g** pgrp] | [**-a**]] [**-t** secs]

DESCRIPTION

Getpc reads the special character device 'pcs' to retrieve Program Counter (pc) data for analysis by the *pcstat* command. The output from *getpc* is binary and put on its standard output. *Getpc* starts by producing the starting time and an entry identifying the type of profiling. At the end of profiling, the stop time is added to the output. *Getpc* also collects a summary of unmasked-for data, which is produced by the system every 100 clock cycles. This extra data gives a summary of %kerneli, %idle, etc. in the final report. At least one option must be specified, indicating the type of profiling desired. The options to *getpc* have the following meanings:

- k** collect pcs from the UNIX kernel.
- u** collect pcs from a list of user processes. The list is a list of process ids (maximum of 5 ids). Data is collected for each pid from both kernel and user mode. This option cannot be used in conjunction with the **-g** option!
- g** collect pcs from the process group whose process group number is the operand of **-g**. Kernel data for the group is automatically gathered. This option cannot be used in conjunction with the **-u** option!
- a** collect pcs from all user-level processes and the kernel. Specifying either the **-k**, **-u**, or **-g** option with **-a** is redundant and produces an error.
- t** sets a time limit for pc collection (in seconds). If this option is not specified, *getpc* will run until killed.

Without any of **-k**, **-u**, **-g** or **-a** options, *getpc* gives a usage message. *getpc* writes the collected data to the standard output.

DIAGNOSTICS

getpc complains if it cannot open */dev/pcs*.

SEE ALSO

pcstat(1), *pcs*(4)