NAME

pmc_configure_logfile, **pmc_flush_logfile**, **pmc_writelog**, **pmc_close_logfile** - log file management

LIBRARY

Performance Counters Library (libpmc, -lpmc)

SYNOPSIS

#include <pmc.h>

int
pmc_configure_logfile(*int fd*);

int
pmc_flush_logfile(*void*);

int
pmc_writelog(*uint32_t userdata*);

int
pmc_close_logfile(*void*);

DESCRIPTION

The functions manage logging of hwpmc(4) events.

Function **pmc_configure_logfile**() is used to turn on and turn off logging. If argument *fd* is a valid file handle returned by a prior call to open(2) or socket(2) then performance events will be logged to the file corresponding to the specified handle. If the value of argument *fd* is -1 then logging will be stopped after any pending data is flushed.

Function **pmc_flush_logfile**() will force all log data queued inside the hwpmc(4) driver to be written out.

Function **pmc_writelog**() will append a log entry containing the value of argument *userdata* to the log file.

Function **pmc_close_logfile**() will flush all pending log data and close hwpmc(4)'s side of the stream.

RETURN VALUES

Upon successful completion, the value 0 is returned; otherwise the value -1 is returned and the global variable *errno* is set to indicate the error.

ERRORS

A call to **pmc_configure_logfile**() may fail with the following errors:

[EAGAIN]   The hwpmc(4) driver was not able to create a helper process due to system limits
                    being reached.

[EBUSY]   Function **pmc_configure_logfile**() was called with a log file already configured.

[EINVAL]   Function **pmc_configure_logfile**() was called with an argument of -1 without a log
                    file being previously configured.

[ENOMEM]   The system encountered a memory shortage when servicing this request.

A call to **pmc_flush_logfile**() may fail with the following errors:

[EINVAL]   Function **pmc_flush_logfile**() was called without a log file being previously
                    configured.

A call to **pmc_writelog**() may fail with the following errors:

[EINVAL]   Function **pmc_writelog**() was called without a log file being previously
                    configured.

[ENOMEM]   The system encountered a memory shortage when servicing this request.

SEE ALSO

pmc(3), hwpmc(4)