NAME

openpam_log - log a message through syslog

SYNOPSIS

#include <sys/types.h>
#include <security/pam_appl.h>
#include <security/openpam.h>

void
openpam_log(*int level*, *const char *fmt*, *...*);

DESCRIPTION

The **openpam_log**() function logs messages using syslog(3). It is primarily intended for internal use by the library and modules.

The *level* argument indicates the importance of the message. The following levels are defined:

PAM_LOG_LIBDEBUG

> Debugging messages. For internal use only.

PAM_LOG_DEBUG   Debugging messages. These messages are normally not logged unless the global integer variable *openpam_debug* is set to a non-zero value, in which case they are logged with a syslog(3) priority of LOG_DEBUG.

PAM_LOG_VERBOSE

> Information about the progress of the authentication process, or other non-essential messages. These messages are logged with a syslog(3) priority of LOG_INFO.

PAM_LOG_NOTICE   Messages relating to non-fatal errors. These messages are logged with a syslog(3) priority of LOG_NOTICE.

PAM_LOG_ERROR   Messages relating to serious errors. These messages are logged with a syslog(3) priority of LOG_ERR.

The remaining arguments are a printf(3) format string and the corresponding arguments.

The **openpam_log**() function does not modify the value of *errno*.

SEE ALSO

pam(3), printf(3), syslog(3)

STANDARDS

The **openpam_log**() function is an OpenPAM extension.

AUTHORS

The **openpam_log**() function and this manual page were developed for the FreeBSD Project by ThinkSec AS and Network Associates Laboratories, the Security Research Division of Network Associates, Inc. under DARPA/SPAWAR contract N66001-01-C-8035 ("CBOSS"), as part of the DARPA CHATS research program.

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