NAME

    openpam_subst - substitute PAM item values in a string

SYNOPSIS

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

    int
    openpam_subst(*const pam_handle_t *pamh*, *char *buf*, *size_t *bufsize*, *const char *template*);

DESCRIPTION

    The **openpam_subst**() function expands a string, substituting PAM item values for all occurrences of specific substitution codes. The *template* argument points to the initial string. The result is stored in the buffer pointed to by the *buf* argument; the *bufsize* argument specifies the size of that buffer. The actual size of the resulting string, including the terminating NUL character, is stored in the location pointed to by the *bufsize* argument.

    If *buf* is NULL, or if the buffer is too small to hold the expanded string, *bufsize* is updated to reflect the amount of space required to hold the entire string, and **openpam_subst**() returns PAM_TRY_AGAIN.

    If **openpam_subst**() fails for any other reason, the *bufsize* argument is untouched, but part of the buffer may still have been overwritten.

    Substitution codes are introduced by a percent character and correspond to PAM items:

    %H   Replaced by the current value of the PAM_RHOST item.

    %h   Replaced by the current value of the PAM_HOST item.

    %s   Replaced by the current value of the PAM_SERVICE item.

    %t   Replaced by the current value of the PAM_TTY item.

    %U   Replaced by the current value of the PAM_RUSER item.

    %u   Replaced by the current value of the PAM_USER item.

RETURN VALUES

    The **openpam_subst**() function returns one of the following values:

[PAM_SUCCESS]   Success.

[PAM_BAD_ITEM]   Unrecognized or restricted item.

[PAM_TRY_AGAIN]
                         Try again.

SEE ALSO

pam(3), pam_get_authtok(3), pam_get_item(3), pam_get_user(3), pam_strerror(3)

STANDARDS

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

AUTHORS

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