

NAME

pam_vprompt - call the conversation function

SYNOPSIS

```
#include <sys/types.h>
```

```
#include <security/pam_appl.h>
```

int

```
pam_vprompt(const pam_handle_t *pamh, int style, char **resp, const char *fmt, va_list ap);
```

DESCRIPTION

The **pam_vprompt()** function constructs a string from the *fmt* and *ap* arguments using `vsnprintf(3)`, and passes it to the given PAM context's conversation function.

The *style* argument specifies the type of interaction requested, and must be one of the following:

PAM_PROMPT_ECHO_OFF

Display the message and obtain the user's response without displaying it.

PAM_PROMPT_ECHO_ON

Display the message and obtain the user's response.

PAM_ERROR_MSG Display the message as an error message, and do not wait for a response.

PAM_TEXT_INFO Display the message as an informational message, and do not wait for a response.

A pointer to the response, or NULL if the conversation function did not return one, is stored in the location pointed to by the *resp* argument.

The message and response should not exceed PAM_MAX_MSG_SIZE or PAM_MAX_RESP_SIZE, respectively. If they do, they may be truncated.

RETURN VALUES

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

[PAM_SUCCESS] Success.

[PAM_BUF_ERR] Memory buffer error.

[PAM_CONV_ERR] Conversation failure.

[PAM_SYSTEM_ERR]

System error.

SEE ALSO

pam(3), pam_error(3), pam_info(3), pam_prompt(3), pam_strerror(3), pam_terror(3), pam_vinfo(3), vsnprintf(3)

STANDARDS

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

AUTHORS

The **pam_vprompt()** 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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