

**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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