

NAME

`pam_debug` – PAM module to debug the PAM stack

SYNOPSIS

pam_debug.so [*auth=value*] [*cred=value*] [*acct=value*] [*preauthtok=value*] [*chauthtok=value*]
 [*auth=value*] [*open_session=value*] [*close_session=value*]

DESCRIPTION

The `pam_debug` PAM module is intended as a debugging aide for determining how the PAM stack is operating. This module returns what its module arguments tell it to return.

OPTIONS

auth=value

The `pam_sm_authenticate(3)` function will return *value*.

cred=value

The `pam_sm_setcred(3)` function will return *value*.

acct=value

The `pam_sm_acct_mgmt(3)` function will return *value*.

preauthtok=value

The `pam_sm_chauthtok(3)` function will return *value* if the `PAM_PRELIM_CHECK` flag is set.

chauthtok=value

The `pam_sm_chauthtok(3)` function will return *value* if the `PAM_PRELIM_CHECK` flag is **not** set.

open_session=value

The `pam_sm_open_session(3)` function will return *value*.

close_session=value

The `pam_sm_close_session(3)` function will return *value*.

Where *value* can be one of: `success`, `open_err`, `symbol_err`, `service_err`, `system_err`, `buf_err`, `perm_denied`, `auth_err`, `cred_insufficient`, `authinfo_unavail`, `user_unknown`, `maxtries`, `new_authtok_reqd`, `acct_expired`, `session_err`, `cred_unavail`, `cred_expired`, `cred_err`, `no_module_data`, `conv_err`, `authtok_err`, `authtok_recover_err`, `authtok_lock_busy`, `authtok_disable_aging`, `try_again`, `ignore`, `abort`, `authtok_expired`, `module_unknown`, `bad_item`, `conv_again`, `incomplete`.

MODULE TYPES PROVIDED

All module types (**auth**, **account**, **password** and **session**) are provided.

RETURN VALUES

`PAM_SUCCESS`

Default return code if no other value was specified, else specified return value.

EXAMPLES

```
auth requisite pam_permit.so
auth [success=2 default=ok] pam_debug.so auth=perm_denied cred=success
auth [default=reset] pam_debug.so auth=success cred=perm_denied
auth [success=done default=die] pam_debug.so
auth optional pam_debug.so auth=perm_denied cred=perm_denied
auth sufficient pam_debug.so auth=success cred=success
```

SEE ALSO

`pam.conf(5)`, `pam.d(5)`, `pam(7)`

AUTHOR

`pam_debug` was written by Andrew G. Morgan <morgan@kernel.org>.