

NAME

pam_umask – PAM module to set the file mode creation mask

SYNOPSIS

pam_umask.so [debug] [silent] [usergroups] [nousergroups] [umask=*mask*]

DESCRIPTION

pam_umask is a PAM module to set the file mode creation mask of the current environment. The umask affects the default permissions assigned to newly created files.

The PAM module tries to get the umask value from the following places in the following order:

- umask= entry in the user's GECOS field
- umask= argument
- UMASK entry from /etc/login.defs (influenced by USERGROUPS_ENAB in /etc/login.defs)
- UMASK= entry from /etc/default/login

The GECOS field is split on comma ',' characters. The module also in addition to the umask= entry recognizes pri= entry, which sets the nice priority value for the session, and ulimit= entry, which sets the maximum size of files the processes in the session can create.

OPTIONS**debug**

Print debug information.

silent

Don't print informative messages.

usergroups

If the user is not root and the username is the same as primary group name, the umask group bits are set to be the same as owner bits (examples: 022 -> 002, 077 -> 007). Note that using this option explicitly is discouraged. pam_umask enables this functionality by default if /etc/login.defs enables USERGROUPS_ENAB, and the umask is not set explicitly in other places than /etc/login.defs (this is compatible with login's behaviour without PAM).

nousergroups

This is the direct opposite of the usergroups option described above, which can be useful in case pam_umask has been compiled with usergroups enabled by default and you want to disable it at runtime.

umask=*mask*

Sets the calling process's file mode creation mask (umask) to **mask** & 0777. The value is interpreted as Octal.

MODULE TYPES PROVIDED

Only the **session** type is provided.

RETURN VALUES**PAM_SUCCESS**

The new umask was set successfully.

PAM_BUF_ERR

Memory buffer error.

PAM_CONV_ERR

The conversation method supplied by the application failed to obtain the username.

PAM_INCOMPLETE

The conversation method supplied by the application returned PAM_CONV_AGAIN.

PAM_SERVICE_ERR

No username was given.

PAM_USER_UNKNOWN

User not known.

EXAMPLES

Add the following line to /etc/pam.d/login to set the user specific umask at login:

```
session optional pam_umask.so umask=0022
```

SEE ALSO

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

AUTHOR

pam_umask was written by Thorsten Kukuk <kukuk@thkukuk.de>.