



## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'pam\_umask.8'***

**C:\>man pam\_umask.8**

PAM\_UMASK(8)                      Linux-PAM Manual                      PAM\_UMASK(8)

### NAME

pam\_umask - PAM module to set the file mode creation mask

### SYNOPSIS

pam\_umask.so [debug] [silent] [usergroups] [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).

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\_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>.