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

***\$ man pam\_wheel.8***

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

**NAME**

pam\_wheel - Only permit root access to members of group wheel

**SYNOPSIS**

pam\_wheel.so [debug] [deny] [group=name] [root\_only] [trust]

**DESCRIPTION**

The pam\_wheel PAM module is used to enforce the so-called wheel group. By default it permits access to the target user if the applicant user is a member of the wheel group. If no group with this name exist, the module is using the group with the group-ID 0.

**OPTIONS**

debug

Print debug information.

deny

Reverse the sense of the auth operation: if the user is trying to get UID 0 access and is a member of the wheel group (or the group of the group option), deny access.

Conversely, if the user is not in the group, return PAM\_IGNORE (unless trust was also specified, in which case we return PAM\_SUCCESS).

group=name

Instead of checking the wheel or GID 0 groups, use the name group to perform the authentication.

root\_only

The check for wheel membership is done only when the target user UID is 0.

trust

The pam\_wheel module will return PAM\_SUCCESS instead of PAM\_IGNORE if the user is a member of the wheel group (thus with a little play stacking the modules the wheel members may be able to su to root without being prompted for a passwd).

## MODULE TYPES PROVIDED

The auth and account module types are provided.

## RETURN VALUES

PAM\_AUTH\_ERR

Authentication failure.

PAM\_BUF\_ERR

Memory buffer error.

PAM\_IGNORE

The return value should be ignored by PAM dispatch.

PAM\_PERM\_DENIED

Permission denied.

PAM\_SERVICE\_ERR

Cannot determine the user name.

PAM\_SUCCESS

Success.

## PAM\_USER\_UNKNOWN

User not known.

## EXAMPLES

The root account gains access by default (rootok), only wheel members can become root (wheel) but Unix authenticate non-root applicants.

```
su    auth    sufficient    pam_rootok.so
```

```
su    auth    required     pam_wheel.so
```

```
su    auth    required     pam_unix.so
```

## SEE ALSO

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

## AUTHOR

pam\_wheel was written by Cristian Gafton <gafton@redhat.com>.