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Rocky Enterprise Linux 9.2 Manual Pages on command 'pam_setquota.8'

\$ man pam_setquota.8

PAM_SETQUOTA(8) Linux-PAM Manual PAM_SETQUOTA(8)

NAME

pam_setquota - PAM module to set or modify disk quotas on session start

SYNOPSIS

```
pam_setquota.so [fs=/home] [overwrite=0] [debug=0] [startuid=1000]
                [enduid=0] [bsoftlimit=19000] [bhardlimit=20000]
                [isoftlimit=3000] [ihardlimit=4000]
```

DESCRIPTION

pam_setquota is a PAM module to set or modify a disk quota at session

start

This makes quotas usable with central user databases, such as MySQL or

LDAP.

OPTIONS

fs=/home

The device file or mountpoint the policy applies to. Defaults to the filesystem containing the users home directory.

overwrite=0

Overwrite an existing quota. Note: Enabling this will remove the

ability for the admin to manually configure different quotas for users for a filesystem with `edquota(8)`. (Defaults to 0)

`debug=0`

Enable debugging. A value of 1 outputs the old and new quota on a device. A value of 2 also prints out the matched and found filesystems should `fs` be unset. (Defaults to 0)

`startuid=1000`

Describe the start of the UID range the policy is applied to. (Defaults to `UID_MIN` from `login.defs` or the `uidmin` value defined at compile-time if `UID_MIN` is undefined)

`enduid=0`

Describe the end of the UID range the policy is applied to. Setting `enduid=0` results in an open-ended UID range (i.e. all uids greater than `startuid` are included). (Defaults to 0)

`bsoftlimit=19000`

Soft limit for disk quota blocks, as defined by `quotactl(2)`. Note: `bsoftlimit` and `bhardlimit` must be set at the same time!

`bhardlimit=20000`

Hard limit for disk quota blocks, as defined by `quotactl(2)`. Note: `bsoftlimit` and `bhardlimit` must be set at the same time!

`isoftlimit=3000`

Soft limit for inodes, as defined by `quotactl(2)`. Note: `isoftlimit` and `ihardlimit` must be set at the same time!

`ihardlimit=4000`

Hard limit for inodes, as defined by `quotactl(2)`. Note: `isoftlimit` and `ihardlimit` must be set at the same time!

MODULE TYPES PROVIDED

Only the session module type is provided.

RETURN VALUES

`PAM_SUCCESS`

The quota was set successfully.

PAM_IGNORE

No action was taken because either the UID of the user was outside of the specified range, a quota already existed and `overwrite=1` was not configured or no limits were configured at all.

PAM_USER_UNKNOWN

The user was not found.

PAM_PERM_DENIED

`/proc/mounts` could not be opened.

The filesystem or device specified was not found.

The limits for the user could not be retrieved. See `syslog` for more information.

The limits for the user could not be set. See `syslog` for more information.

Either `issoftlimit/ihardlimit` or `bsoftlimit/bhardlimit` were not set at the same time.

EXAMPLES

A single invocation of ``pam_setquota`` applies a specific policy to a UID range. Applying different policies to specific UID ranges is done by invoking `pam_setquota` more than once. The last matching entry defines the resulting quota.

```
session required pam_setquota.so bsoftlimit=1000 bhardlimit=2000 isoftlimit=1000 ihardlimit=2000
startuid=1000 enduid=0 fs=/home
```

```
session required pam_setquota.so bsoftlimit=19000 bhardlimit=20000 isoftlimit=3000 ihardlimit=4000
startuid=2001 enduid=3000 fs=/dev/sda1
```

```
session required pam_setquota.so bsoftlimit=19000 bhardlimit=20000 isoftlimit=3000 ihardlimit=4000
startuid=3001 enduid=4000 fs=/dev/sda1 overwrite=1
```

SEE ALSO

`pam.conf(5)`, `pam.d(5)`, `pam(8)`

AUTHOR

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