

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 **isoftlimit/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
session required pam_setquota.so bsoftlimit=19000 bhardlimit=20000 isoftlimit=3000 ihardlimit=4000 startuid=2000
session required pam_setquota.so bsoftlimit=19000 bhardlimit=20000 isoftlimit=3000 ihardlimit=4000 startuid=3000
```

SEE ALSO

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

AUTHOR

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