NAME

edq − edit user disk quotas non-interactively

SYNOPSIS

edq [**−hqr**] *account*,[*partition*],*blocks*[,*inodes*] ...

DESCRIPTION

edq (edit quota) is a front end to the **edquota**(1M) command that provides an easy, intuitive, non-interactive interface. Features include the use of ratios for determining various quantities, useful defaults, and the ability to modify quotas on remote disk partitions.

OPTIONS

The following options are supported:

−h Help, just print an informational message, and exit.

−q Quiet, do not print normal status messages.

−r Remote, if the partition is not found locally, look for a remote mount, and attempt to modify the remote disk quota.

OPERANDS

The following operands are supported:

account The user account name or UID.

partition The path of the mount point of the disk partition. If empty, the home partition of the *account* will be used. If a partial (non-anchored) path, an attempt will be made to locate the correct partition. If a *host:path* construct is used, a remote mount is assumed (similar to **−r**).

blocks The number of soft limit 1 KB blocks to allocate.

inodes The number of soft limit inodes to allocate. If not specified, a set ratio to *blocks* is used.

blocks and *inodes* operands may include a multiplicative suffix of *K* (kilo), *M* (mega), *G* (giga), or *T* (tera). In the case of *blocks*, these convert to *bytes*, not the *1KB blocks* which are the default for this operand; thus, ‘‘262144,’’ ‘‘262144K,’’ ‘‘256M,’’ and ‘‘.25G’’ are all equivalent. Fractions are permissible, but will ultimately be converted to integers.

ENVIRONMENT VARIABLES

The following environment variables are supported:

INODES_SOFT_RATIO
The ratio of the inodes soft limit to the blocks soft limit.

BLOCKS_HARD_RATIO
The ratio of the blocks hard limit to the blocks soft limit.

INODES_HARD_RATIO
The ratio of the inodes hard limit to the inodes soft limit.

Run ‘‘edq -h’’ to see the defaults for these ratios.

USAGE

edq is a Bourne shell (**sh**(1)) script wrapper for the **edquota**(1M) command that provides some additional ease-of-use and functionality. It allows for non-interactive disk quota modifications without the use of *prototypes*. Thus, **edq** can be easily used from other scripts that automate account maintenance activities. For example, this command:

```
edq lamu,/usr/work,100000,20000
```

will set the disk quota soft limits for account ‘‘lamu’’ on partition ‘‘/usr/work’’ to 100,000 KB and 20,000 inodes.

The hard limits are set automatically from built-in ratios to the soft limits. These ratios can be overridden via the **BLOCKS_HARD_RATIO** and **INODES_HARD_RATIO** environment variables (see above). (And of course the defaults in the script can be changed as well.) The *inodes* parameter can be omitted, in which case it is computed from a built-in ratio to the *blocks* parameter. This can also be overridden via the **INODES_SOFT_RATIO** environment variable.

Additionally, the *partition* parameter can be left empty (you still need the comma), in which case the partition holding the account's home directory is assumed. So, for example, this command:

edq -r max,,50M

will set the home directory disk quota for the account ''max'' to a blocks soft limit of 50 MB (51,200 KB); the inodes soft limit and the hard limits will all be set automatically. The **−r** flag insures that the quota will be changed even if the home directory partition is on a remote host (assuming appropriate permissions). Output for this command would look something like this:

edq: calling edquota for "max" with "51200:10240" on "/home".
edq-slave: changing quota for "max" to "51200:10240" on "/home".

The *partition* parameter can also be given with the standard *host:path* construct to indicate a remote partition on a particular host; for example ''gemini:/usr/project/www''.

And multiple sets of operands can be given to set multiple quotas, possibly for multiple accounts and/or multiple partitions, all with one command.

DIAGNOSTICS

Returns **0** if no errors detected.
Returns **non-zero** if any errors detected.

FILES

/etc/fstab Source for file system information.

/etc/vfstab [Solaris] Source for file system information.

/etc/passwd
Source for user account information.

passwd.byname
NIS map for user account information.

passwd.byuid
NIS map for user account information.

BUGS

Relies on the **edquota**(1M) command for access to quotas.

Relies on NIS for user information.

Does not support any secure remote access protocols for modifying remote quotas.

Operand factoring (K, M, ...) is based on binary (2^10, 2^20, ...); support for decimal-based factoring is not provided.

edq is relatively slow, and may not be suitable for modifying large numbers of quotas.

edq is currently tested only on these platforms: Digital Unix, Solaris, SunOS. Modifications are probably needed for other OSs.

SEE ALSO

edquota(1M), **rsh**(1), **sh**(1);
''Toolman: Meet Ed Q.,'' *;login:* magazine (USENIX Association), August 2000.

AUTHOR

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