Change owner

Remark

During the creation of a volume with option -u .
afs_admin set_owner *user afs_path*

Example

afs_admin s_o otto /afs/ifh.de/group/dg/data

ACL

To list acls

afs_admin list_acl *afs_path*

Examples

afs_admin list_acl /afs/ifh.de/group/nic

afs_admin l_a /afs/ifh.de/group/lc/data

To set acls

afs_admin set_acl *afs_path list_of_acl_pairs*

Examples

afs_admin set_acl /afs/ifh.de/group/nic/data group:nic rlidwk

afs_admin set_acl /afs/ifh.de/group/nic/data group:apeuser none

afs_admin s_a /afs/ifh.de/group/lc/mc group:lc read otto all

Quota

To list a volume's quota

afs_admin list_quota *{afs_path | vol_name}*

Examples

afs_admin list_quota /afs/ifh.de/group/nic/project

afs_admin l_q g.nic.project

To list a project's quota

afs_admin list_quota *project (=group)*

Examples

afs_admin list_quota nic

afs_admin l_q amanda

To change a volume's quota

afs_admin set_quota *{afs_path | vol_name} quota*

Examples

afs_admin set_quota /afs/ifh.de/group/nic/project 25G

afs_admin s_q gn.lc.data 200G

Status: Januar 2011

AFS ADMIN.

Information for group admins

AFS space dedicated to work groups is managed by the respective group's AFS admins. This leaflet provides a reference for the afs_admin command used to perform this task.

DESY

Help

Remark
You can abbreviate names of subcommands as long as the action part (before an underscore) and the object part (after _) can be unambiguously identified.

afs_admin -h
      get help
afs_admin -h -v
      read the man page of afs_admin
afs_admin -h *subcommand*
      get more information
Examples
rename_volume = ren_vol = r_v
list_quota = l_q
set_acl = s_a

Administrator

To list the administrators for a project (=group)
afs_admin list_acls *group*
Example
afs_admin l_a nic

Project space

To list all volumes used by a group
afs_admin list_project *group*
Examples
afs_admin list_project nic
afs_admin l_p amanda

To list all occupied AFS storage
afs_admin list_occupancy *group*
Examples
afs_admin list_occupancy nic
afs_admin l_o lc

Mount points

To list the mount points of all volumes mounted below /afs/ifh.de/ (mount points from last night)
lsmount -t *afs_path*
Example
lsmount -t /afs/ifh.de/group/nic

To list the path where a certain volume is mounted
lsmount *vol_name*
Example
lsmount g.nic

Volume

Remarks
> Volume names are limited in length to 22 characters.
> Please let the name of the volume correspond to the directory tree if possible.
> The volume name has to match
  - g.<group>.* for volumes with backup (quota ≤ 20 GB)
  - gn.<group>.* for volumes which are not to be backed up (no quota limit) recommendation ≤ 100 GB
> It is not possible to rename a gn.<group> volume into a g.<group> volume and vice versa.

To create a new volume and the mount point (with backup)
afs_admin [-v] create *afs_path vol_name* -q *quota* -u \
{group|user}
Examples
afs_admin -v create /afs/ifh.de/group/nic/project g.nic.project -q 2G -u \
group:adm_nic
afs_admin c /afs/ifh.de/group/lc/mc g.lc.mc -q 1G -u group:lc

To create a new volume and the mount point (without backup)
afs_admin [-v] create *afs_path vol_name* -q *quota* -u \
{group|user}
Examples
afs_admin -v create /afs/ifh.de/group/nic/data gn.nic.data -q 20g -u \
group:adm_nic
afs_admin c /afs/ifh.de/group/lc/user/scratch/otto gn.lc.s.otto -u otto

To release a volume with R/O copies
afs_admin vos_release *{afs_path | vol_name}*
Examples
afs_admin vos_release g.nic
afs_admin v_r g.pitz.doocs
afs_admin v_r /afs/ifh.de/group/lc/devel

To create a R/O copy
afs_admin create_replica *{afs_path | vol_name}*
Example
afs_admin c_r g.pitz.doocs

Rename

Remark
See remark in section volume for volume names.

To change a volume's mount point, and rename it

Step 1 rename the volume:
afs_admin rename *afs_path vol_name*
Example
afs_admin rename /afs/ifh.de/group/nic/project g.nic.proj.proj1

Step 2 change the mount point:
afs_admin rename_mount *afs_path1 afs_path2*
Example
afs_admin rename_mount /afs/ifh.de/group/nic/project /afs/ifh.de\
/group/nic/proj/proj1

Delete

Remark
Volumes mounted below the no longer existing path are not affected, but may no longer be accessible unless their mount point is changed.

To delete a mount point and the corresponding volume
afs_admin delete *afs_path*
Example
afs_admin delete /afs/ifh.de/group/nic/Old