



Tech Info Library

A/UX: NFS Not a directory Message (9/94)

Revised: 9/7/94
Security: Everyone

A/UX: NFS "Not a directory" Message (9/94)

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TOPIC -----

I have some problems with an nfs configuration. Here is what happens:

```
#mount
/dev/dsk/c5d0s0 on / type 5.2 (rw,noquota)

#ls -la /udd/halles
total 2
drwxrwxrwx  2 root    root      32 Jan 12 06:40 ./
drwxrwxrwx  6 root    root      96 Jan 12 06:40 ../
```

```
#mount ilog:/udd/halles /udd/halles
#mount
/dev/dsk/c5d0s0 on / type 5.2 (rw,noquota)
ilog:/udd/halles on /udd/halles type nfs (rw)
```

To prove the exchange of information, the command df:

```
#df
/                /dev/dsk/c5d0s0      7064 blocks    9443 i-nodes
/udd/halles ilog:/udd/halles      1514 blocks     0 i-nodes
```

It runs, and ls runs, too (the permissions are the remote permissions).

```
#ls -l /udd
drwxrwxrwx  6 root    root      96 Jan 12 06:40 ./
drwxr-xr-x 17 root    root      720 Jan 12 07:17 ../
drwxrwxrwx  2 root    root      32 Jan 12 06:40 chatelet/
drwxrwxrwx  2 root    root      32 Jan 12 06:40 cite/
drwxr-xr-x 61 root    ilog     1536 Jul  3 1989 halles/
```

Now the problem:

```
#cd /udd/halles  
/udd/halles : Not a directory
```

I run a command like `ls /udd/halles`, and I get a list of the subdirectory with the error message: `<dir> : Not a directory`.

DISCUSSION -----

As you described, there doesn't seem to be anything wrong on your local NFS client side. However, from the error message "Not a directory", it sounds like the REMOTE NFS server exported filesystem or directory, `/udd/halles` in this case, is not a directory type.

Check the spelling of the exported directories on the remote NFS server; both the exported entries in the `/etc/exports` file and the actual filesystem object MUST be a directories. After checking the spelling from the remote NFS server, at the local NFS client do `/etc/umount /udd/halles`, and try the NFS mount command again.

Also the `"showmount [a] [d] [e] [host]"` is a nice tool for NFS to display things like directories that have been mounted by clients, the list of exported filesystems from the server, and so on. See `showmount (1M)` for details.

Article Change History:

06 Sep 1994 - Reviewed.

31 Aug 1992 - REVIEWED for technical accuracy

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