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A/UX 2.0: Folder Copying and NFS-Related Problems (9/94)

Article Created: 15 December 1990

Article Reviewed/Updated: 1 September 1994

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TOPIC -----

I have encountered two A/UX- and Finder-related problems. They show up mainly when doing data transfer with a Macintosh IIci/5MB and Macintosh IIfx/8MB connected to an external Apple HD80 SC with A/UX 2.0 using Thin Ethernet and a Silicon Graphics Workstation.

1) Loss of data when copying to folders on remote machines.

Let M be a folder on a local Macintosh partition and R a folder on a remote filesystem that is mounted via NFS. Assume both folders are visible on the Macintosh A/UX desktop. If I move a folder F from M to R (by dragging the icon from M into R), some of the files from F are not copied completely. The loss of data always seems to be at the end of each transferred file.

The error occurs randomly but frequently. It also occurs if folder M is not a local folder but resides on another remote filesystem (an A/UX-based Macintosh). In this case, the error seems less frequent.

2) Problems updating the visual representation of folders on remote machines.

Let R be a folder on a remote filesystem that is mounted via NFS. Assume it is visible on the Macintosh A/UX desktop. If you create a new folder F inside R by "mkdir F", it becomes visible in the visual representation of R. However, in most cases, commands like "cp -r /tmp/F." create the folder without making the folder visible in R. I have also found similar problems with "mv" and "rm".

DISCUSSION -----

We can't reproduce the above problems.

We have copied a couple of folders between mounted NFS file systems and Macintosh partitions and without any problems. The "sumdir" utility reported two identical copies of folder.

The folder created in a NFS-mounted file system will be owned and visible by the

individual login user, unless the "root" account is used. Files created by "root" will be converted to "nobody" account, which has UID 65534. Check the setting of the file creation mask defined in the .login or .profile file. The default of umask is 022 for ordinary user, and 027 for super user.

Article Change History:

1 Sept 1994 - Reviewed.

Support Information Services

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Keywords: <None>

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19960215 11:05:19.00

Tech Info Library Article Number: 6517