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A/UX: Remote Dump to Magnetic Tape Drive

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TOPIC -----

I'm trying to do a remote dump (rdump) from a Macintosh IIfx on an Ethernet network to a 1/4-inch cassette tape drive on a Concurrent computer on the same network. The device file for the tape drive is /dev/rctp. The address on the network and in the /etc/NETHOSTS is mdsaero. I think everything is set up properly now since the dump process begins. The following is the command I issued:

```
macunix.root 1 # rdump 0usf 28800 mdsaero:/dev/rctp /dev/dsk/c5d0s3
  DUMP: Date of this level 0 dump: Mon Feb 24 15:33:14 1992
  DUMP: Date of last level 0 dump: the epoch
  DUMP: Dumping /dev/rdisk/c5d0s3 (/users) to /dev/rctp on host mdsaero
  DUMP: mapping (Pass I) [regular files]
  DUMP: mapping (Pass II) [directories]
  DUMP: estimated 201945 blocks on 0.41 tape(s).
  DUMP: Protocol to remote tape server botched (code /etc/rmt: Command not
found.
?).
rdump: Lost connection to remote host.
  DUMP: Bad return code from dump: 1
macunix.root 2 #
```

Note: slice 3 is a 400MB (approximately) partition and the tape cassette is a 525MB tape. The procedure also won't work with a 120MB tape.

DISCUSSION -----

According to the above error message, "... remote tape server botched (code /etc/rmt: Command not found," the problem is apparently on the remote host.

The /etc/rmt can't be found in the mdsaero host. The /etc/rmt is a remote magtape protocol program used by the remote dump (rdump) and remote restore (rrestore) programs in manipulating a magnetic tape drive through an IPC (Inter Process Communication) connection. The /etc/rmt is normally started up with an rexec() and rcmd() call.

Check the mdsaero host to see if it supports the remote procedure call for a remote magnetic tape drive. A/UX and most BSD UNIX systems support this facility.

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