Pwr Mac DOS Compatibility Card: PC/TCP Does Not Function (7/95)

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TOPIC --

I cannot get the PC/TCP software to function properly on my Power Macintosh DOS
Compatibility Card. When I try to ping a good location, I get an ARP failure.
How can I solve this problem? Also are there other PC products that would let me
mount NFS partitions?

DISCUSSION ---

This a problem with FTP's software, there are two known workarounds. Use the
workaround that corresponds to the version of PC/TCP you are using.

PC/TCP v2.3
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Step 1

Start the MS-DOS/Windows environment. This loads all the IP software. If you try
to PING at this point you get an ARP failure. At this point you must add the
following lines to the NET.CFG file:

Protocol IP 800 Ethernet_II
Protocol ARP 806 Ethernet_II
Protocol RARP 8035 Ethernet_II

Step 2

Perform warm-restart (ctl-alt-del)

Step 3

Remove the lines added in step 1 from the net.cfg and warm-boot again.

After step 3, FTP's PC/TCP software functions correctly. If you restart your
Macintosh, you must perform all three steps again.

PC/TCP v3.1
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Step 1
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Start the MS-DOS/Windows environment. This loads all the IP software. If you try
to PING at this point you get an ARP failure. At this point you must unload
network drivers down to LSL.COM.

Step 2
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Add following lines to NET.CFG:

Protocol IP 800 Ethernet_II
Protocol ARP 806 Ethernet_II
Protocol RARP 8035 Ethernet_II

Step 3
------
Load network drivers again.

Step 4
------
Unload network drivers.

Step 5
------
Remove lines added in step 2 from the NET.CFG file

Step 6
------
Reload network drivers.
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After step 6, FTP's PC/TCP software functions correctly. If you restart your
Macintosh, you must perform all six steps again.

The easiest solution is to follow the directions for v.2.3. Unloading and
loading the network drivers has the same affect as doing a warm boot of the DOS
Card. In version 3.1 of PC/TCP, the drivers should be able to be unloaded from
memory, then reloaded. If that is not the case, then a warm boot will suffice.

If for some reason you cannot unload the network drivers, this may be because
"idrive" has no "unload" function. If you can possiblily load this function
before the networking software, you should be able to unload all of the
networking software, and not have to reboot. It is our understanding that
version 3.x of ethdrv.exe does in fact support unloading network drivers from
memory.

NetManage's Chameleon software has NFS volume support, and has shown to be
stable in the testing we have done. Also, we have successfully used the InterCon
Systems' products.

Article Change History:

05 Jul 1995 - Updated for clarity and added more information.
27 Mar 1995 - Added problem is with FTP software.

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