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DOS Compatibility Card: Connection On Banyan VINES (4/95)

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TOPIC -----

I want to connect my Power Macintosh 6100 with a DOS Compatibility Card to a Banyan VINES network. Is this supported on the DOS Compatibility Card? If so, what do I need to do to the CONFIG.SYS and AUTOEXEC.BAT files?

DISCUSSION -----

We have not tested the Power Macintosh DOS Compatibility Card with a Banyan Vines server because we do not have a Banyan Vines server. However, it should work if Banyan can use ODI drivers. It is important to note that this is not a DOS Compatibility Card specific issue. This is a third party software configuration problem normally handled by Banyan.

Here is a configuration that a customer has successfully used to configure the Power Macintosh 6100/DOS compatible as a Banyan client:

Step 1

The Banyan Macintosh client runs on top of NDIS and uses Ethernet II frames with a magic number of 0xBAD. So to run it with the DOS Compatibility Card, you must first set up the NET.CFG file to reflect this. The following is a sample Banyan NET.CFG file for DOS Compatibility Card.

Link Driver MACODI

```
Frame ETHERNET_802.3
Frame ETHERNET_802.2
Frame ETHERNET_II
Frame ETHERNET_SNAP
Protocol BANYAN BAD ETHERNET_II
int 6
port 300
```

Protocol ODINSUP

```
Bind MACODI
buffered <--- Very important, ODINSUP will not work without it.
```

Step 2

Run the following to set up the DOS Compatible for Banyan. This has been tested with lsl v2.05 and ODINSUP v1.22. These files are not included with the DOS Compatibility Card and must be obtained from a Novell client installation.

LSL
MACODI
ODINSUP

Step 3

Configure VINES. Include following the line in the CONFIG.SYS file.

```
DEVICE=C:\BAN\PROTMAN.DOS /I:C:\BAN
```

If you've installed the software somewhere instead of C:\BAN, substitute your directory here. The configuration file for PROTMAN.DOS is called PROTOCOL.INI. It should be in the C:\BAN directory and should contain the following:

```
[protocol manager]  
  drivename = PROTMAN$
```

```
[VINES_XIF]  
  DRIVENAME = NDISBAN.DOS$  
  BINDINGS = MACODI
```

Step 4

- Run PCCONFIG, the Banyan configuration program.
- Choose the first option, "Network Card Settings".
- Choose "NDIS Ethernet."
- In the configuration screen, configure IRQ 10, driver name MACODI.
- Press F10 to save the changes.
- Choose the second option, "Login Environment Settings".
- Configure NDIS Ethernet.
- Press F10 to save the changes.

Step 5

Restart your computer, then type the following to get VINES running (from the Banyan directory, or wherever you have put it).

```
BAN /NC NDISBAN NETBIND ARSWAIT REDIR4 Z: LOGIN
```

NOTE:

Ignore the "network driver not enabled" message. This message means it is working.

Troubleshooting Hint

If you can run everything, but cannot access files on the Z: drive, make sure the protocol line is in the NET.CFG file.

Article Change History:

- 24 Apr 1995 - Added MACODI to list of items needed.
- 19 Apr 1995 - Corrected INT setting.
- 15 Feb 1995 - Minor typography correction.

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