



# Tech Info Library

## Macintosh with PC Emulation in Banyon VINES Environment (2/94)

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TOPIC -----

This article tells you how to enable a Macintosh running PC emulation software (SoftWindows with SoftNode) to access a BANYAN server, and use its services. The configuration described here works for Banyon VINES SoftNode or Banyon VINES.

DISCUSSION -----

- 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 SoftNode, you must first set up the NET.CFG file to reflect this. The following is a sample Banyan NET.CFG file for SoftNode Ethernet:

```
Link Driver ETHERSPC
  Frame ETHERNET_802.3
  Frame ETHERNET_802.2
  Frame ETHERNET_II
  Frame ETHERNET_SNAP
  Protocol BANYAN BAD ETHERNET_II
```

```
Protocol ODINSUP
  Bind ETHERSPC
```

- 2) Run the following to set up SoftNode for Banyan:

```
LSL
ETHERSPC
ODINSUP
```

- 3) Configure VINES. Include the line:

```
device=c:\banyan\protman.dos /i:c:\banyan
```

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

```
[protocol manager]
    drivename = PROTMAN$

[VINES_XIF]
    DRIVERNAME = NDISBAN.DOS$
    BINDINGS = ETHERSPC
```

- 4) Run PCCONFIG, the Banyan configuration program. Choose the first option, "Network Card Settings," choose "NDIS Ethernet." Then in the configuration screen, configure IRQ 10, driver name ETHERSPC. Press F10 to save the changes. Then choose the second option, "Login Environment Settings," and configure NDIS Ethernet. Press F10 to save the changes.
- 5) Restart for the CONFIG.SYS changes to become effective and run the ODI side and ODINSUP as described. Then type the following to get VINES going (from the Banyan directory, or wherever you have put it).

```
ban /nc (Ignore the "network driver not enabled" message. It means
it's working!) ndisban netbind arswait redir4 z: login
```

If you can run everything, but can't access files on the Z: drive, you probably left out the Protocol line in the NET.CFG file.

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