

# NEXTSTEP

**Title:** Netware Question and Answer

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## Question:

Why does NEXTSTEP not recognize some Netware servers on my network?

## Answer:

The simple answer is that not all Netware servers are configured to use the same frame type. Frame type configuration under NEXTSTEP is automatic, so generally there is no need to configure it. When you boot NEXTSTEP, it sends out Nearest Server Query broadcast packets to find the nearest server. It tries twice using Ethernet-II framing, then twice with 802.2 over 802.3, then twice using 802.2 with SNAP headers over 802.3 then twice using raw 802.3. As soon as it gets a response from a server, it stops the search process, and configures itself to use the frame format which triggered the response.

If you want to override the automatic configuration, you can edit `/etc/rc`. Find the line which launches `/usr/netware/etc/npsd`, and add command-line options to it. Valid options are:

```
-v                << verbose mode >>
-t ss            << change timeout on server responses to ss seconds >>
-r nn           << try each frame type nn times before giving up >>
-f ethernet_ii  << ethernet type II frame type >>
-f ethernet_snap
-f ethernet_802.2
-f ethernet_802.3
```

For a complete description of `npsd` under NEXTSTEP 3.3, see the UNIX manual page.

There is no provision for communicating to different servers with different frame types. This means that all servers on your

network must be using the same frame type if you want NEXTSTEP to be able to access them all.

Valid for 3.2

Valid for 3.3