

## WinQVT/Net FAQ

This is a list of frequently-asked questions (and answers) concerning WinQVT/Net.

**Q: Where can I get the latest version of WinQVT/Net?**

**A:** The current version of WinQVT/Net can always be found on the FTP site 'biochemistry.cwru.edu', in directory '/pub/qvtnet'. Another place to look is ftp.cica.indiana.edu, in '/pub/pc/win3/uploads'.

The filename will usually be of the form 'qvtnetNN.zip', where 'NN' is the major and minor version number. This archive contains both the packet-driver, or 'standalone' version WNQVTNET.EXE, and the Windows-Sockets version WNQVTWSK.EXE. Also located in /pub/qvtnet is the Windows NT version, 'qvtwntNN.zip'.

Occasionally changes are made to WinQVT/Net which are not reflected in either the major or higher-order minor version numbers. For example, the version number might change from 3.74 to 3.75. In these cases, the filename will be of the form 'qvtneNNN.zip' (or 'qvtntNNN.zip' for the NT version) where NNN is the complete version number.

**Q: I am running the packet-driver version of WinQVT/Net. I can get the console to come up OK, but when I try to start a session I get a long delay, followed by the message 'Local host or gateway not responding'. What's going on, and how can I fix it?**

**A:** This problem is often caused by one of two common setup errors. The first is that your subnet mask might be wrong. Call your network administrator and find out what the correct value is, then plug it into QVTNET.INI (the 'netmask=' statement).

The other possibility has to do with routers. If you are trying to reach a machine outside your subnet, you will have to go through a router. You should designate the router in two places: first, in QVTNET.INI (the 'router=' statement), and second, in QVTHOST.RC (create an entry for the router). Make sure that you use the same exact machine name in both places!

**Q: I am using the packet driver version, and I have found that I can only open a session if I give the IP address. If I give the machine name, I can't connect.**

**A:** WinQVT/Net allows you to use a domain nameserver to obtain the addresses of the machines that you want to talk to. You must specify the nameserver in two places: in QVTNET.INI, and in QVTHOST.RC.

QVTNET.INI:

```
...  
[domain]  
...  
nameserver=<machine name of nameserver>  
...
```

QVTHOST.RC:

```
...  
<IP address of nameserver> <machine name of nameserver>
```

Make sure that the machine name is exactly the same in both places!

**Q: I am running the Winsock version of WinQVT/Net, and I don't see a list of hosts when I go to start a terminal session.**

**A:** You must create a DOS environment variable QVTHOST\_DIR, to point to the directory that contains your 'hosts' file. This statement should go into your AUTOEXEC.BAT.

For example,

```
set QVTHOST_DIR=C:\WINSOCK\ETC
```

**Q: I am running the Winsock version of WinQVT/Net, and I see messages at startup such as 'no IP address specified for local host'. What does this mean and how do I fix it?**

**A:** WinQVT/Net needs to know your PC's IP address. There are two ways to do this:

1. Fill in the 'ip=' line in QVTNET.INI
2. Put an entry for your PC in the 'hosts' file.

**Q: How do I run WinQVT/Net under Windows for Workgroups?**

**A:** The packet-driver version of WinQVT/Net will run under Windows for Workgroups 3.1. To do so, you will use the public-domain device driver DIS\_PKT.DOS instead of the packet driver.

DIS\_PKT.DOS, as device driver, loads in CONFIG.SYS instead of AUTOEXEC.BAT:

```
CONFIG.SYS:
...
DEVICE=C:\DIS_PKT.DOS
...
```

You will also have to modify PROTOCOL.INI:

```
[PKTDRV]
DRIVERNAME = PKTDRV$
BINDINGS   = <logical name of your NDIS driver>
INTVEC     = 0x60
```

The 'INTVEC' specification is the software interrupt vector that will be used by WinQVT/Net to communicate with the driver. It is logically equivalent to the packet-driver interrupt vector.

**Note:** when using DIS\_PKT.DOS in this way, you will not use a packet driver! DIS\_PKT.DOS effectively replaces the packet driver from WinQVT/Net's point of view.

You can get DIS\_PKT9.ZIP via FTP from [biochemistry.cwru.edu](http://biochemistry.cwru.edu). It is located in the /pub/qvtnet directory.

The packet-driver version of WinQVT/Net will not run under Windows for Workgroups 3.11. Instead, you must install Microsoft TCP/IP, and use the Windows Sockets version of WinQVT/Net.

**Q: I'm running Novell NetWare over ODI. How do I run WinQVT/Net in this environment?**

**A:** You can run the packet-driver version of WinQVT/Net in an ODI/NetWare environment by using the ODI/Packet-driver shim, ODIPKT.COM. This is similar to the use of DIS\_PKT.DOS to interface between WinQVT/Net and an NDIS driver, as shown above. The run WinQVT/Net over ODI, your AUTOEXEC.BAT should look something like this:

```
...
pktint
lsl
<your ODI driver>
ipxodi
netx (/ps=SERVERNAME)
odipkt 1 96
...
```

In the sixth line, 'odipkt 1 96', '1' represents the logical card

number, and '96' represents the packet vector 0x60, in decimal. Use whatever values are correct for your installation ('1' will almost always be the correct logical card number).

You will also need to modify NET.CFG:

...

```
Link driver <your ODI driver>
    int <your card's hardware interrupt number>
    port <your card's IO address, in hex>
    envelope type ETHERNET_II
    envelope type ETHERNET_802.3
```

In some situations, both 'envelope type' statements are needed; in others, only 'ETHERNET\_II'. If this setup doesn't work for you as given here, delete the reference to ETHERNET\_802.3.

You can get ODIPKT.ZIP via FTP from biochemistry.cwru.edu. It is located in directory /pub/qvtnet.

**Q: I am using token-ring rather than Ethernet. Can I run WinQVT/Net in this environment?**

**A:** In some situations you can, by using the IBMTOKEN driver, which converts the Ethernet packets emitted by WinQVT/Net into token-ring packets, and vice versa. IBMTOKEN.COM is part of the Crynwr packet-driver library, available via FTP from sun.soe.clarkson.edu.

Your AUTOEXEC.BAT should contain these lines:

```
pktint
ibmtoken 0x60 0 (10)
```

You cannot use this solution if you are already running Novell NetWare, using a driver such as 'ODITROK'. To run WinQVT/Net in this environment, you must use the Windows-Sockets version of WinQVT/Net in conjunction with Novell's LAN Workplace for DOS product, which includes a WINSOCK.DLL.

If you are running Windows for Workgroups over token-ring, you can run WinQVT/Net by using the Windows-Sockets version of WinQVT/Net, in conjunction with Microsoft's TCP/IP for WfWG.

**Q: I would like to put a single copy of WinQVT/Net on our file server and share it among several users. How do I keep each person's configuration separate?**

**A:** What you should do is put each person's support files, especially QVTNET.INI, into a separate directory. Each person should then use the Program Manager 'Properties' dialog to set the 'Working Directory' to the correct value. For example:

```
Command Line:          d:\public\wnqvtnet.exe
Working Directory:     c:\mystuff
```

A single QVTHOST.RC can be shared among all users by creating the DOS environment variable QVTHOST\_DIR, and assigning as its value the name of the directory that contains QVTHOST.RC.

**Q: Where can I get the Crynwr packet driver library?**

**A:** The Crynwr drivers can be obtained via FTP from sun.soe.clarkson.edu. Look for DRIVERS.ZIP in directory /pub/packet-driver.

**Q: Can I use the 16-bit Winsock version of WinQVT/Net under the Windows NT operating system?**

**A:** Yes, but we don't recommend it. Instead, we suggest that you use the 32-bit Windows NT version of WinQVT/Net. This is kept on biochemistry.cwru.edu, under the name 'qvtwntNN.zip', where 'NN' is the major and minor version number.

**Q: Can I use WinQVT/Net over a dialup line?**

**A:** Yes. In order to support network communications over the serial line, you will need to use a SLIP packet driver; we recommend SLIPPER.EXE, which can be found on biochemistry.cwru.edu. You will also need to edit QVTNET.INI, and set the 'packet\_vector' to 6, instead of 0. If your SLIP host assigns IP addresses at runtime, you should also make sure that the 'ip=' statement is present, but blank.

WinQVT/Net doesn't provide any support for dialing the SLIP host and acquiring a dynamically-assigned IP address. You will probably have to use a conventional asynchronous-communications program to do this, one that will allow you to exit without dropping DTR.

Once a telephone connection is established, and an IP address obtained, you can start WinQVT/Net. Since no IP address is present in QVTNET.INI, the startup dialog will request one, at which point you can type in the address given out by the SLIP host.

**Q: Where can I get a POP3 server for my host system?**

**A:** You can get a public-domain POP3 server for Unix systems from lilac.berkeley.edu.

**Q: How do I use BOOTP with WinQVT/Net?**

**A:** WinQVT/Net incorporates an RFC1048 BOOTP client. To activate it, set both 'name' and 'ip' to 'BOOT' (in QVTNET.INI).

*cac 10/93*