C H A P T E R 4

Advanced Configuration of Cisco Internet Junction

This chapter describes how to configure Cisco Internet Junction and includes the following sections:

- Changing a Client's Preferred Gateway

- Changing a Client's Current Gateway

- Displaying Status

You do not need these options unless you have multiple gateways.

Changing a Client's Preferred Gateway

If your site has multiple gateways, IJ client software performs automatic load balancing by picking a gateway from among those available. However, you can specify a client's preferred gateway—the gateway to which the client tries to connect at startup. Specifying preferred gateways can be useful for dividing the user community—for example, for administrative or accounting purposes. If the preferred gateway is unavailable, the client connects to any available gateway.

To specify a preferred gateway, you can either edit the client's WIN.INI file, or modify the IJ client executable command line or target property.

Editing the WIN.INI File

Take the following steps to edit the WIN.INI file:

Step 1 Use a text editor to open the WIN.INI file.

Step 2 Look for a section like the following:

```
[Internet Junction Client]
Preferred Gateway = Any
```

To specify a gateway, change the value after the equal sign (=) to the name of the gateway.

Step 3 Close the file and reboot the computer.

Modifying the Command Line or Target Property

If a Windows icon represents an executable program, its Properties window includes information that tells Windows how to start the program. This information is called the command line property in Windows 3.1 and Windows for Workgroups and the target property in Windows 95.

The following command line or target property starts IJCLIENT.EXE:

```
ijclient [-g gateway-name]
```

where *gateway-name* specifies the client's preferred IJ gateway.

For example, the following property causes the client to try to connect with the gateway Cloudy:

```
ijclient -g cloudy
```

If Cloudy is unavailable, the client connects to any available gateway.

To change the preferred gateway, edit the properties of the Cisco Internet Junction item. When the IJ client starts, it writes *gateway-name* into the WIN.INI file as the new value for the preferred gateway.

Changing a Client's Current Gateway

Sometimes a client may want to disconnect from one gateway and connect to another. For instance, your network could be configured so that one gateway provides Internet access and another provides internal TCP/IP access, and a client might want to switch between the two.

The Gateways menu in the IJ client window displays a list of known gateways. A check mark indicates the gateway to which the client is currently connected. The client software periodically refreshes the list, adding names as gateway SAP messages arrive, and removing the names of servers that stop sending SAP messages.

Take the following steps to change a client's current gateway:

Step 1 Close any Internet or TCP/IP client applications that are running.

Step 2 Open the Cisco Internet Junction window by double-clicking on its icon.

Step 3 Pull down the Gateways menu and click on the name of the gateway that you want to connect to.

When a client changes the current gateway, the new gateway automatically becomes the preferred gateway. The client software writes the gateway name into the WIN.INI file, and attempts to connect to that gateway the next time it starts.

Displaying Status

The Cisco Internet Junction window for both the IJ client and the IJ gateway includes a Status menu item. This option provides information about the client or gateway software and its current connections.

When you first select the Status menu item, the display is static—status appears on the screen once and does not refresh itself.

Click again on the Status menu item to start a low-level tracing program that shows the transmission of SAP messages and routing information packet (RIP) messages. Generating a trace can be helpful if you need to troubleshoot a problem.

To stop the trace program, click again on the Status menu item. An updated static display appears.