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Apple IP Gateway: General Setup Information Needed (5/95)

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TOPIC -----

This article provides a general description of the Apple IP Gateway.

DISCUSSION -----

The user of this product is a network administrator responsible for AppleTalk networks and/or IP networks. They may or may not be the same person who sets up the Apple Remote Access server or the Apple Internet Router. The expertise will vary greatly depending on the person and the interface must therefore accommodate a range of novice to expert users.

The main tasks performed by the user are configuration, monitoring, and control. Configuration takes place in the MacTCP Control Panel as well as in an administrative application.

To configure the gateway, several items must be entered by the user. The following items must be configured in the MacTCP Control Panel:

- The IP address of the gateway.
- The subnet mask of the connected IP network.
- The default gateway to forward packets destined for a different IP subnet.
- The specific Ethernet port that is attached to the IP network.
- The domain name server (if any) to be used by the IP clients.

The following items must be configured in the administrative application:

- The dynamic addresses to be used for assignment to clients. These addresses are in a range; that is, they cannot be discontinuous.
- Whether or not to allow static addresses.
- The static addresses that clients can keep permanently. These addresses are in a range; that is, they cannot be discontinuous. This feature can be used to allow static addressing, but only if the addresses fall in a specific range.
- Whether or not the gateway should start when a Macintosh starts up.
- Whether or not to restrict access to the gateway.
- The list of networks which are not allowed (or are allowed) to use the gateway and how the list should be interpreted.

A monitoring window is available when the gateway is running with the following

information:

- Graphical representation of network activity and errors.
- A list of addresses that have been assigned and to whom.

Note: For more detailed monitoring, the SNMP agent can be used.

The gateway can be controlled by the application as well:

- Gateway can be started.
- Gateway can be stopped.
- Client(s) can be disconnected.

In addition to the above task groups, some miscellaneous tasks exist as well:

- Statistics can be reset.
- Administrator password can be set and removed.

As a security feature, the administrator can restrict access to the gateway by AppleTalk network number. A list of network ranges can be entered that are allowed (or not allowed) to use the gateway. For instance, if the range 500-600 is entered in the list and the list is marked as a list of network that are not allowed to use the gateway, a client on network 40 can use the gateway and a client on network 510 cannot.

Article Change History:

03 May 1995 - Change title to better describe the article.

12 Sep 1994 - Changed product name to reflect finished goods name.

Support Information Services

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