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AppleTalk: Isolating from SNA Traffic

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TOPIC -----

I have two separate rings on one Token Ring network with the following set up:

- An AS400 on one ring, and
- An AppleShare file server on the other.

On one Macintosh, I would like to have access to the AS400 (not acting as a Gateway) and the AppleShare file server. I want to keep AFP/PAP on its own ring for now. Of course, I have two Token Ring cards in the Macintosh.

Configuration for SNA•ps 1.1 and Andrew Token Access software will be easy. How do I configure the Macintosh workstation (AppleTalk) software to access only the other TR card? Do I need the Internet router to accomplish this?

DISCUSSION -----

You can come close to the configuration that you describe, but there will be one twist, as you will see later. You can certainly limit the AppleTalk traffic to one of the rings. Using the network control panel on the computer connected to both rings, you choose the AppleTalk access to be the TokenTalk icon corresponding to the ring that has the AppleShare server on it. The Network control panel will have a TokenTalk icon representing each card installed in the computer, so it's just a matter of choosing the correct icon.

You don't want to have an Internet Router on this computer because that would imply that you would be routing AppleTalk to other physical networks (that is, the other Token Ring network).

Now, on the SNA•ps and Andrew side of things, you will have a SNA•ps gateway configured on this same computer. The gateway will be configured for APPC communications with the AS400 (necessary for the Andrew software). One note of caution at this point -- any Macintosh on the AppleTalk ring will be able to use this gateway if it has the

appropriate SNA•ps client software. You won't be restricting this to just the gateway computer. There's still no AppleTalk on the other ring, but that's just a slightly different look at things. Of course, if you don't want other computers to have access to the gateway, don't give them the client software.

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