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SNA•ps 2.0 Gateway: Configuring Mixed Session Types (11/93)

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TOPIC -----

Is the 70 session license limit on a per SNA•ps gateway basis? In other words: Can I run a single Token Ring card and get a total of 70 sessions (mixed 3270 and APPC), or do I have to run multiple gateways to get both 3270 and APPC functionality?

DISCUSSION -----

There is no such thing as a 70 session gateway, it is a 70 AppleTalk client limited gateway. It does not matter how many sessions are configured on the SNA•ps 2.0 Gateway. The only limit is 70 attached Macintosh computers over AppleTalk.

You can run a single Token Ring card with both 3270 and 5250 (APPC) services at the same time. This is how our demonstration gateways and our test gateways are configured. The session limit will be determined by the RAM size on the Token Ring card. In this environment we strongly suggest buying the 2MB upgrade memory chips.

This is done by configuring two separate SNA•ps Token Ring Lines and Partners. The first pair of lines and partners would be for 3270 services. It would be a Host type PU 5 connection for a PU2 gateway. The customer then does an NCP and VTAM config for the PU 2.0 (3270, 3287) devices and the SNA•ps gateway is matched with 3270 resources.

The second pair of lines and partners would be a PU 2.1 Peer-to-peer device which supports APPC sessions to the AS/400. You would configure a Controller, device, and mode description to support this attachment. Obviously, there are two Token Ring addresses as destination addresses (one for the source of the 3270 datastreams and one for the source of the AS/400 datastreams. The Macintosh Token Ring card will be given one Token Ring address and it will be used as the destination for both the 3270 and AS/400 datastreams. When this is all said and done, there is one gateway with one AppleTalk name projected on the LAN for both types of services. This can be done all on one card.

As an example: you could have 50 3270 sessions and 55 APPC sessions to support 5250 in the SNA•ps Config. Lets say a Macintosh AppleTalk client attaches to the SNA•ps gateway and opens three 3270 sessions, two 5250

sessions, one SNA•ps Print 3287 session, and one DAL AS/400 session. This SINGLE AppleTalk client has used 3 + 2 + 1 + 1 = 7 sessions.
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