Tech Info Library

SNA•ps 5250: Gateway Computer Performance (5/93)

Revised: 6/4/93
Security: Everyone

SNA•ps 5250: Gateway Computer Performance (5/93)

===

Article Created: 14 May 1993

TOPIC ---

Does the speed of the computer that serves as the gateway have an effect on
performance or is all the communication taking place on the NuBus card?

DISCUSSION --

The speed of the gateway code running on the NuBus card is not affected by
the speed of the Macintosh it is installed in. Our gateways run about the
same performance in the Quadra 950 as a Macintosh II. There are some
issues with multiple NuBus cards in a multi-slot Macintosh and having all
the AppleTalk Client traffic running out a single Ethernet card or Token
Ring card, for example. Now the speed of processes across the NuBus
becomes a factor. If the Ethernet card is dumb, then the AppleTalk
conversions are done in the Macintosh and distribution of session data may
be delayed. In a single gateway environment, this is not an issue unless
you are running say an AppleShare server on the same Macintosh as the
SNA•ps Gateway. We have had reported problems with two very high traffic
oriented services in the same Macintosh overrunning the Ethernet or Token
Ring cards, resulting in very slow performance or freezes. These type of
problems are being addressed in future releases of NSI. So to summarize, a
single SNA•ps gateway running in a Macintosh will operate about the same in
all NuBus Macintoshes. Add more processes which start to stress the
AppleTalk distribution and slow downs are possible.

Copyright 1993, Apple Computer, Inc.

Tech Info Library Article Number:12258