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SNA•ps APPC and APPC/PC Under DOS (9/93)

Revised: 9/28/93
Security: Everyone

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Article Created: 27 September 1993

TOPIC -----

Can SNA•ps APPC connect to a PS/2 running APPC/PC under DOS? My environment has a PS/2 running APPC/PC (V 1.11, 1986) under DOS 3.3 connecting to an IBM 9370 mainframe running VTAM as a Host type 5 or SSCP node.

DISCUSSION -----

In your environment, you were not able to connect the APPC/PCs to the 9370 using PU 2.1 peer-to-peer communications. You were also not able to get SNA•ps APPC gateways to attach to the PS/2 running APPC/PC using peer or PU 2.1 connections. From the trace provided, the APPC/PC is rejecting the SNA•ps peer PU 2.1 XID response. We had to conclude the APPC/PC (DOS version) was not able to interact with a full implementation of PU 2.1 found with the SNA•ps APPC product. The APPC/PC product is too old in the evolution of SNA to work at the peer level with SNA•ps.

Here is the exact technical explanation, SNA•ps receives a '2203000000' on the XID pre-negotiation phase. This is the very last thing in their response to our XID. By looking up the control vector (Chapter 8 of SNA Formats) we find that this is a 'XID Negotiation Error' and that the '0000 00' are the byte and bit offset of the offending data. In other words, they rejected the first bit of the first byte of data that we sent them.

In checking with IBM, we found that IBM no longer supports APPC/PC, and they recommend moving to OS/2 or NS/DOS. SNA•ps has been tested with both OS/2 and NS/DOS and works perfectly in PU 2.1 peer-to peer connections.

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Tech Info Library Article Number:13448