



Tech Info Library

AppleTalk: Network General Sniffer Functions as Line Monitor

Revised: 8/21/89
Security: Everyone

AppleTalk: Network General "Sniffer" Functions as Line Monitor

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TOPIC -----

What is available as an AppleTalk line monitor as a diagnostic tool for debugging network problems?

DISCUSSION -----

Network General Sniffer provides an option for AppleTalk protocols. Sniffer, running on a portable PC, handles for various packet types and media. The following is an example of raw network data and the Sniffer decode.

- - - - - Begin Dump - - - - -

Following is a message dump of some traced broadcast messages:

```
12:52:44.34  8:0:89:a0:44:99 ff:ff:ff:ff:ff:ff 809b  46:
              ff99 0100 1801 0101 0001 0899 3801 0100
              0100 3802 0238 0300 3bb9 0000 0000 0000
12:52:54.26  8:0:89:a0:44:99 ff:ff:ff:ff:ff:ff 809b  46:
              ff99 0100 1801 0101 0001 0899 3801 0100
              0100 3802 0238 0300 3bb9 0000 0000 0000
12:52:56.86  8:0:89:a0:49:40 ff:ff:ff:ff:ff:ff 809b  46:
              ffc0 0100 1801 0101 0001 08c0 3801 0000
              0100 3802 0138 0301 3bb9 0000 0000 0000
```

(AppleTalk decode courtesy of the Network General Sniffer PA-1310 AppleTalk Protocol Suite option.)

- - - - - Frame 2 - - - - -

SUMMARY	Delta T	Destination	Source	Summary
M 2	0.0000	Broadcast	KinetxA04499	RTMP R NET=1.0 Routing entries=5

```
RTMP:----- RTMP Data ----- RTMP:
RTMP: Net = 1.0
RTMP: Node id length = 8 bits
RTMP: Node id = 153
RTMP: Tuple 1 : Net = 14337.0, Distance = 1
RTMP: Tuple 2 : Net = 1.0, Distance = 0
RTMP: Tuple 3 : Net = 14338.0, Distance = 2
RTMP: Tuple 4 : Net = 14339.0, Distance = 0
RTMP: Tuple 5 : Net = 15289.0, Distance = 0
RTMP:
RTMP:[Normal end of "RTMP Data ".]
```

```
- - - - - Frame 3 - - - - -
SUMMARY Delta T Destination Source Summary
      3 0.0000 Broadcast KinetxA04499 RTMP R NET=1.0 Routing entries=5
RTMP:----- RTMP Data -----
RTMP: Net = 1.0
RTMP: Node id length = 8 bits
RTMP: Node id = 192
RTMP: Tuple 1 : Net = 14337.0, Distance = 1
RTMP: Tuple 2 : Net = 1.0, Distance = 0
RTMP: Tuple 3 : Net = 14338.0, Distance = 1
RTMP: Tuple 4 : Net = 14339.0, Distance = 1
RTMP: Tuple 5 : Net = 15289.0, Distance = 0
RTMP:[Normal end of "RTMP Data ".]
```

- - - - - End Dump - - - - -

For more details, search the Tech Info Library under "Network General".

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