November, 1974, Survey of New-Protocol TELNET Servers


Two months have elapsed since our last survey, and the appearance of
additional New-Protocol servers has progressed at the usual snail's
pace.  The changes in this list are (with host numbers in octal):

SRI-AI (102) now has a New-Protocol server;
SDC-LAB (10) is back on the net and the list;
SDC-CC (110) is coming on the net but status is as yet unknown;
USC-ISI (126) and USC-ISIB (226) (formerly ISI-DEVTENEX) now have
New-Protocol servers;
SDAC-44 (32) has been removed -- no longer classed as a server host;
HAWAII-500 (344) is coming on the net, status presently unknown;
LONDON (52) has been added;
BBN-TENEXD is now host 162 (formerly 205).

What follows is an update of the summary and tabulation that appeared
in RFC #702.*  Is there light at the end of the tunnel?

| | | |
|---|---|---|
| total server hosts | 37 | 100% |
| no New-Prot server | 19 | 51% |
| unknown status (new host) | 2 | 6% |
| total New-Prot implem. | 16 | 43% |
| New-Prot on socket 27, | | |
| Old on socket 1 (2) | 9 | 24% |
| New-Prot on 1 and 27 (3) | 6 | 16% |
| New-Prot on 1 only (3) | 1 | 3% |

        Notes:

*   All data in this report were gathered via a surveying program run
    at various times, plus a few manual checks to fill out the data.
    What is reported here is the way the various servers work as seen
    by the new-Protocol User Telnet at BBNA, as of 4 Dec. 1974.

(2) These are the sites whose operation is 100% correct according to
    all protocols and conventions, as I understand them.

(3) We realize that some of the servers that appear here as New-
    Protocol servers on socket 1 are actually servers which attempt
    to communicate with both Old- and New-Protocol User TELNETs
    according to what control sequences are received.

Tabulation of server status for all server sites:

| Host No. | Host Name | Socket 1 | Socket 27 | New-Prot, Options Implementation (if any) |
|---|---|---|---|---|
| 101 | UCLA-CCN | Old | X | |
| 201 | UCLA-CCBS | Old | X | |
| 2 | SRI-ARC | Old | X | |
| 102 | SRI-AI | Old | New | I1,3,6; O3 |
| 3 | UCSB-MOD75 | Old | X | |
| 4 | UTAH-10 | Old | X | |
| 105 | BBN-TENEX | Old | New | I1,3,6; O3 |
| 305 | BBN-TENEXA | Old | New | I1,3,6; O3 |
| 106 | MIT-DMS | New | New | I1,3; O3 |
| 206 | MIT-AI | Old | X | |
| 306 | MIT-ML | Old | X | |
| 7 | RAND-RCC | Old | X | |
| 10 | SDC-LAB | Old | X | |
| 110 | SDC-CC | ? | ? | |
| 11 | HARV-10 | New | X | I1,3; O3 |
| 12 | LL-67 | Old* | X | |
| 112 | LL-TX-2 | Old | X | |
| 13 | SU-AI | New* | New* | I1,3 |
| 15 | CASE-10 | Old | X | |
| 16 | CMU-10B | New | New | I1,3; O3 |
| 116 | CMU-10A | New | New | I1,3; O3 |
| 17 | I4-TENEX | Old | X | |
| 217 | KI4B-TENEX | Old | X | |
| 20 | AMES-67 | New | New | None |
| 126 | USC-ISI | Old | New | I1,3,6; O3 |
| 226 | USC-ISIB | Old | New | I1,3,6; O3 |
| 27 | USC-44 | Old | X | |
| 327 | USC-ECL | Old | X | |
| 37 | CCA-TENEX | Old | X | |
| 40 | PARC-MAXC | Old | New | I1,3,6; O3 |
| 43 | UCSD-CC | Old | New | I0(!),3; O0,3 |
| 344 | HAWAII-500 | ? | ? | |
| 52 | LONDON | Old* | X | |
| 53 | OFFICE-1 | Old | X | |
| 54 | MIT-MULTICS | New | New | None |
| 61 | BBN-TENEXB | Old | New | I1,3,6; O3 |
| 162 | BBN-TENEXD | Old | New | I1,3,6; O3 |

Key:      X  No server at this socket
          ?  Status not ascertained -- unable to connect to host
          I# Option # implemented incoming to user (Server says "Will #")
          O# Option # implemented outgoing from user (Server says "Do #")
             (# is option number in new Protocol. All options implemented
              by anyone are:
                  0     Transmit-Binary
                  1     Echo
                  3     Suppress-Go-Ahead
                  6     Timing-Mark )

   Note: * These servers return improper responses to some TELNET option
   requests.