

Network Working Group
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BBN-TENEXA
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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; 03 |
| 3 | UCSB-MOD75 | Old | X | |
| 4 | UTAH-10 | Old | X | |
| 105 | BBN-TENEX | Old | New | I1,3,6; 03 |
| 305 | BBN-TENEXA | Old | New | I1,3,6; 03 |
| 106 | MIT-DMS | New | New | I1,3; 03 |
| 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; 03 |
| 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; 03 |
| 116 | CMU-10A | New | New | I1,3; 03 |
| 17 | I4-TENEX | Old | X | |
| 217 | KI4B-TENEX | Old | X | |
| 20 | AMES-67 | New | New | None |
| 126 | USC-ISI | Old | New | I1,3,6; 03 |
| 226 | USC-ISIB | Old | New | I1,3,6; 03 |
| 27 | USC-44 | Old | X | |
| 327 | USC-ECL | Old | X | |
| 37 | CCA-TENEX | Old | X | |
| 40 | PARC-MAXC | Old | New | I1,3,6; 03 |
| 43 | UCSD-CC | Old | New | I0(!),3; 00,3 |
| 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; 03 |
| 162 | BBN-TENEXD | Old | New | I1,3,6; 03 |

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.

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