Network Working Group
Request for Comments: 679
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February, 1975, Survey of New-Protocol TELNET Servers

It has been two and a half months since our last survey, and it has been depressing to note that "progress" toward an all-new-protocol network has been even slower than previously. Changes since the last list (with host numbers in octal):

SRI-ARC (2) and OFFICE-1 (53) have added logger sockets 27, but with Old-Protocol servers (are these forerunners of New-Protocol servers?);
SDC-CC (110) has been removed from the list until it starts operating on the network
LL-67 (12) now has a New-Protocol server on socket 1;
CASE-10 (15) has departed from the network;
BBN-TENEX is now host 361 (formerly 105);
ANL (ARGONNE, 67) has come on the net with Old- and New-Protocol servers on sockets 1 and 27, respectively.

The following is the latest version* of the summary and tabulation of server-host Telnet servers.

total server hosts	36	100%
no New-Prot server	17	47%
unknown status (new host)	1	3%
total New-Prot implem.	18	50%
New-Prot on socket 27, Old on socket 1 (2)	10	28%
New-Prot on 1 and 27 (3)	6	16%
New-Prot on 1 only (3)	2	6%

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 20 Feb. 1975.

(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 Implemented (if any)
101	UCLA-CCN	Old	X	
201	UCLA-CCBS	Old	X	
2	SRI-ARC	Old	Old	
102	SRI-AI	Old	New	I1,3,6; O3
3	UCSB-MOD75	Old	X	
4	UTAH-10	Old	X	
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	
11	HARV-10	New	X	I1,3; O3
12	LL-67	New	X	None
112	LL-TX-2	Old	X	
13	SU-AI	New*	New*	I1,3
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	Old	
54	MIT-MULTICS	New	New	None
61	BBN-TENEXB	Old	New	I1,3,6; O3
361	BBN-TENEX	Old	New	I1,3,6; O3
162	BBN-TENEXD	Old	New	I1,3,6; O3
67	ANL	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.