

AUGUST, 1974

AUGUST, 1974, SURVEY OF NEW-PROTOCOL TELNET SERVERS

THIS IS THE FIRST OF WHAT ARE PLANNED TO BE MONTHLY REPORTS ON THE STATUS OF THE NEW-PROTOCOL TELNET IMPLEMENTATIONS ON THE SERVER HOSTS ON THE ARPA NETWORK. INCLUDED IN THIS REPORT ARE DATA ONLY ON SERVER TELNETS AT THE VARIOUS SITES. ONE WOULD HOPE THAT ANY SITE WITH AN OPERATIONAL NEW-PROTOCOL SERVER TELNET WOULD ALSO BOAST A NEW-PROTOCOL USER TELNET; WE CAN CERTAINLY ASSUME THIS FOR TENEX SITES AT WHICH TENEX 1.32 IS OPERATING. HOWEVER, NO FURTHER CLAIMS ARE MADE FOR THE SERVER DATA CONTAINED IN THIS REPORT.

I AM SORRY TO REPORT THAT AT THIS LATE DATE, A MONTH AFTER THE RELEASE OF TENEX 1.32, LESS THAN ONE-THIRD OF THE SERVER SITES HAVE ANY NEW-PROTOCOL SERVER OPERATING, ACCORDING TO MY SURVEYS*, AND ONLY HALF OF THOSE ARE USING CORRECTLY THE LOGGER SOCKET CONVENTIONS, AS I UNDERSTAND THEM. AT THE END OF THIS REPORT IS A COMPLETE TABULATION COMPILED FROM MY SURVEYS; THE FOLLOWING IS A SUMMARY:

TOTAL SERVER HOSTS 32 100%

STATUS UNKNOWN (1) 3 9%

NO NEW-PROT SERVER 19 59%

TOTAL NEW-PROT IMPLM. 10 31%

NEW-PROT ON SOCKET 27,
OLD ON SOCKET 1 (2) 5 16%

NEW-PROT ON 1 AND 27 (3) 4 13%

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 15 AUG. 1974. THERE MAY BE DISCREPANCIES BETWEEN THESE RESULTS AND THOSE FROM SURVEYS MADE AT OTHER SITES.

(1) NUMEROUS ATTEMPTS TO CONNECT TO THESE SITES ALL FAILED DUE TO THE SITES' BEING DOWN TO THE NETWORK.

(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 IMPLEMENTATED (IF ANY)
-------------	--------------	-------------	--------------	---

1	UCLA-NMC??			
101	UCLA-CCNOLDX			
201	UCLA-CCBCOLDX			
	2SRI-ARCOLDX			
102	SRI-AIOLDX			
	3UCSB-MOD750LDX			
	4UTAH-100LDX			
105	BBN-TENEXOLDNEWI1,3,6; 03			
205	BBN-TENEXBOLDNEWI1,3,6; 03			
305	BBN-TENEXAOLDNEWI1,3,6; 03			
106	MIT-DMSNEWNEWI1,3; 03			
206	MIT-AIOLDX			
306	MIT-MLOLDX			
	10SDC-LAB??			
11	HARV-10NEWXI1,3; 03			
12	LL-670LDX			
112	LL-TX-20LDX			
	13SU-AINew*NEW*I1,3			
	15CASE-100LDX			
	16CMU-10BNEWNEWI1,3; 03			
116	CMU-10ANewNEWI1,3; 03			
	17I4-TENEXOLDX			
117	I4-TENEXA??			
	20AMES-670LDOLD(1)			
126	USC-ISIOLDX			
	27USC-440LDX			
	32SDACOLDX			
	37CCA-TENEXOLDX			
	40PARC-MAXCOLDNEWI1,3,6; 03			
	43UCSD-CCOLDNEWIO(1),3; 00,3			
	53OFFICE-10LDX			
	54MIT-MULTICSNEWNEWNONE			

KEY:

XNO SEVER AT THIS SOCKET

?STATUS UNKNOWN

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:

0TRANSMIT-BINARY

1ECHO

3SUPPRESS-GO-AHEAD

6TIMING MARK)

NOTE: * THERE APPEARS TO BE A MINOR BUG IN SU-AI'S SERVER: IT SEEMS
TO SEND AN IMPROPER RESPONSE TO A REQUEST FOR OPTION 0.

SUBMITTED 20 AUGUST 1974

BY D. W. DODDS