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2 January 1979

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THE HOST TABLE:

The host table consists of commentary and two types of text lines. The commentary lines begin with a semicolon and are ignored by the compiler. They are intended to provide information for a human reader or editor of the host table. The commentary lines may be in mixed case, however the text lines are by tradition entirely in upper case. There are two kinds of text lines: host and network.

The format of a network text line is:

For example, the ARPANET's entry would look something like:

Host text lines begin with the word "HOST" followed by a space or tab. These specify a host name, a host address list, whether this host is a "user" or a "server", the name of the host's operating system, the name of the host's machine type, and a nick name list. The operating system, machine type, and/or nick name list may be omitted, in which case they default to unknown or null.

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The nick name list is in square brackets and consists of a series of names delimited by commas. There may be any number of nick names.

HOST <name>,<address-list>,<status>,<system>,<machine>,<nickname-list>

HOST MIT-AI, [ARPA 2/6, CHAOS 2026], SERVER, ITS, PDP10, [AI, MITAI]

THE HOST TABLE BINARY FILE:

FILE HEADER:

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word 0      The name of this file in SIXBIT.  Currently HOSTS2.
word 1      The name of the source file in SIXBIT.  Always HOSTS.
word 2      The version of the source file in SIXBIT  if compiled on
            an ITS site, otherwise the name of the site in SIXBIT.
word 3      The directory name of the source, usually in SIXBIT.
word 4      The name of the site in SIXBIT.
word 5      The user name who compiled the file, usually in SIXBIT.
word 6      Date of compilation as SIXBIT YYMMDD.
word 7      Time of compilation as SIXBIT HHMMSS.
word 8      Address in file of NAME table.
word 9      Address in file of SITE table.
word 10     Address in file of NETWORK table.
            <words after this are reserved for future use>
```

word 0	Number of entries in table.
word 1	Number of words per entry, currently 2.
entry word 0	Network number assigned by Postel.
entry word 1	Left half: Address in file of name of network in ASCIIZ. Right half: Address in file of network's ADDRESS table (zero means no ADDRESS table, i.e. no hosts).

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word 0      Number of entries in table.
word 1      Number of words per entry, currently 2.
entry word 0 Network address of this entry, including network number.
              For ARPANET addresses this is in the format:
                xxx000,,000000  Network number
                000xxx,,xxx000  IMP number
                000000,,000xxx  Host number
              Each number is right justified.
              For CHAOS net addresses it is an octal number.
              For Dialnet addresses it is the address in the file of
              the TelCo number in ASCIIZ.
entry word 1 Left half: Address in file of SITE table entry.
              Right half: Address in file of next ADDRESS table entry
              for this site (zero means end of list).

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word 0      Number of entries in table.
word 1      Number of words per entry, currently 3.
  entry word 0  Left half: Address in file of official name in ASCIIZ.
                Right half: Address in file of first ADDRESS table entry
                for this site.
  entry word 1  Left half: Address in file of  operating system name  in
                ASCIIZ (zero means unknown).
                Right half: Address in file of  machine  type  in  ASCIIZ
                (zero means unknown).
  entry word 2  Left half: Flags.  The 400000 bit means a server site.
                Right half: reserved

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word 0      Number of entries in table.
word 1      Number of words per entry, currently 1.
  entry word 0  Left half: Address in file of SITE table entry for  this
                host.
                Right half: Address in file of host name in ASCIIZ.
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We are documenting this format in order to present it to the outside world as a suggested replacement for the current host table. The advantage of our host table is that it has already been implemented and is in use at MIT and Stanford. We have established some conventions

Anybody who is interested in importing our host table to their own system should contact David Moon (MOON@MIT-MC) or me (MRC@SU-AI) for more information.

Many people have been involved in the design and implementation of the current host table. They include, in no particular order, Richard Stallman, David Moon, Ken Harrenstien, and Mark Crispin. I won't bother to list the contributions individually, since it's hard to determine who did what and that sort of stuff is boring to read anyway.

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; Host table...
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HOST	ACCAT-TIP,	2/35, USER, TIP, H316, [NELC-TIP]
HOST	AFWL,	0/48, SERVER, SCOPE, CDC-6600, [AWFUL]
HOST	AFWL-TIP,	2/48, USER, TIP, H316, [AWFUL-TIP]
HOST	AI-CHAOS-11,	CHAOS 426, USER, , PDP11
HOST	ALMSA-TIP,	2/61, USER, TIP, H316
HOST	AMES-11,	3/16, USER, ELF, PDP11
HOST	AMES-67,	0/16, SERVER, TSS/360, 360/67, [AMES]
HOST	AMES-TIP,	2/16, USER, TIP, H316
HOST	ANL,	0/55, SERVER, OS-MVT, 370/195, [ARGONNE]
HOST	ARPA-DMS,	0/28, SERVER, DMS, PDP15

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HOST  UCLA-CCN,          1/1, SERVER, OS-MVT, 360/91, [CCN]
HOST  UCLA-SECURITY,     2/1, SERVER, UNIX, PDP11, [INSECURITY, UCLA, UCLA-S]
HOST  USC-ECL,           3/23, SERVER, TENEX, PDP10, [ECL]
HOST  USC-ISI,            1/22, SERVER, TENEX, PDP10, [ISIA, ISI, USC-ISIA]
HOST  USC-ISIB,           3/52, SERVER, TENEX, PDP10, [ISIB, ISI-DEVTENEX]
HOST  USC-ISIC,           2/22, SERVER, TENEX, PDP10, [ISIC]
HOST  USC-ISIE,           1/52, SERVER, TOPS-20, PDP10, [ISIE, ISI-TWENEX]
HOST  USC-TIP,            2/23, USER, TIP, H316
HOST  UTAH-11,            0/4, USER, RSX-11M, PDP11
HOST  UTAH-TIP,           2/4, USER, TIP, H316
HOST  UTEXAS,             0/62, SERVER, UNIX, PDP11, [UTEX, TEXAS]
HOST  WHARTON,            1/46, SERVER, TOPS-10, PDP10, [WARTON]
HOST  WPAFB,              0/47, SERVER, SCOPE, CDC-6600
HOST  WPAFB-AFAL,         1/47, SERVER, TOPS-10, PDP10, [AVSAIL]
HOST  WPAFB-TIP,          2/47, USER, TIP, H316

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