SNA•ps Host Translation Tables (5/93)

Article Created: 26 May 1993

TOPIC ---

How do I adjust the Host Translation Tables in SNA•ps?

DISCUSSION --

The SNA•ps Host translation tables which control the Host Translation of
ASCII to EBCDIC and EBCDIC to ASCII, are obtained through the use of
ResEdit. There is a difference in accessing the translation tables
depending on whether the SNA•ps 3270 API version 2.0, or SNA•ps 3270
product is used. The SNA•ps 3287, SNA•ps Print, and SNA•ps 5250 use the
SNA•ps API.

To edit the SNA•ps 3270 API, you need to go into ResEdit and open the Host
Translation table folder installed in the client Macintosh System folder.
Look for two resources: AtoE (ASCII to EBCDIC) and EtoA (EBCDIC to
ASCII).

The SNA•ps 3270 product does not use the API and has built-in resources.
In fact, you can completely remove the Host Translation table from the
system folder and the SNA•ps 3270 will still have different host languages
to choose from and proper translations will occur for screen display and
file transfer.

To edit the SNA•ps 3270 application, you need to go into ResEdit and open
the SNA•ps 3270 application. Look for two resources: DEXI (into the Host
or ASCII to EBCDIC) and DEXO (out of the Host or EBCDIC to ASCII). The
DEXN resource should not be touched since it relates to the order to the
code pages or listed host languages when the session menu if opened.

Open either AtoE, or DEXI resource (ASCII to EBCDIC), the resource of the
host language you wish to edit. Edit it exactly as you would the resource
in the Host Language Folder as outlined below.

Next, open either EtoA, or DEXO resource (EBCDIC to ASCII), the resource
of the same host language you just edited in the AtoE or DEXI resource.
Edit it exactly as you would the resource in the Host Language Folder as

outlined below.

Translation tables

Below are the extracted USA English translation tables, these would be the
same for either the Host Translation Table folder, or SNA•ps 3270 product.
If you are using another language, the table will follow similar format
but usually it is displayed as 8 characters across rather than the USA 16
characters across.

First the ASCII to EBCDIC. The first 2 columns are the ASCII values in hex
fully defined for all 256 values. Each of the entries across the page are
the EBCDIC values in hex, 16 values across so the ASCII equivalents go
from 00 to 0F. As an example of some entries, ASCII hex 20 (Space) is the
same as EBCDIC 40 (Space). ASCII 41 (cap A) is the same as EBCDIC C1 (cap
A).

```
00   0000   0000   0000   0000   0000   006A   0000   0000
10   0000   0000   0000   0000   0000   0000   0000   0000
20   405A   7F7B   5B6C   507D   4D5D   5C4E   6B60   4B61
30   F0F1   F2F3   F4F5   F6F7   F8F9   7A5E   4C7E   6E6F
40   7CC1   C2C3   C4C5   C6C7   C8C9   D1D2   D3D4   D5D6
50   D7D8   D9E2   E3E4   E5E6   E7E8   E900   E000   006D
60   7981   8283   8485   8687   8889   9192   9394   9596
70   9798   99A2   A3A4   A5A6   A7A8   A9C0   4FD0   A100
80   C1C1   C3C5   CECF   E481   8181   8181   8183   8585
90   8585   8989   8989   9596   9696   9696   A4A4   A4A4
A0   0000   4A00   0000   0000   0000   007D   0000   00D6
B0   0000   0000   0000   0000   0000   0000   0000   0096
C0   0000   5F00   0000   0000   0000   40C1   C1CF   0000
D0   6060   7F7F   7D7D   0000   A8E8   6100   4C6E   0000
E0   004B   7D7F   00C1   C5C1   C5C5   C9C9   C9C9   D6D6
F0   00D6   E4E4   E400   00A1   0000   0000   0000   0000
```

The EBCDIC to ASCII table is similar with EBCDIC values in the first two
columns and the ASCII characters in the matrix. Here is:

```
00   0000   0000   0009   0000   0000   0000   0C0D   0000
10   0000   0000   000A   0000   0000   0000   0E00   0F00
20   1010   1010   1010   1010   1010   1010   1010   1010
30   1010   1010   1010   1010   1010   1010   1010   1010
40   20CA   898A   8887   8B8C   8D96   A22E   3C28   2B7C
50   268E   9091   8F92   9495   93A7   2124   2A29   3BC2
60   2D2F   E580   CBE7   CC81   8284   0B2C   255F   3E3F
70   BF83   E6E8   E9EA   EBEC   ED60   3A23   4027   3D22
80   AF61   6263   6465   6667   6869   C7C8   1317   15B1
90   A16A   6B6C   6D6E   6F70   7172   BBBC   BEFC   AEDB
A0   B57E   7374   7576   7778   797A   C1C0   1216   14A8
B0   5EA3   B4A5   A9A4   A618   191A   5B5D   F8AC   AB04
C0   7B41   4243   4445   4647   4849   0299   9A98   979B
D0   7D4A   4B4C   4D4E   4F50   5152   059E   9F9D   9CD8
E0   5CD6   5354   5556   5758   595A   06EF   85F1   EECD
F0   3031   3233   3435   3637   3839   07F3   86F4   F200
```

Keywords: <None>

==

This information is from the Apple Technical Information Library.

19960215 11:05:19.00
Tech Info Library Article Number: 12204