CharConv

	COLLABORATORS		
	TITLE : CharConv		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY		February 1, 2023	

	REVISION HISTORY		
NUMBER	DATE	DESCRIPTION	NAME

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CharConv

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                                        CharConv v1.5
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1.2   Purpose of this program

```
Purpose of this program
=======================
This program converts plain textfiles between different charsets. I
know that several of these programs already exists, but most of them do
not convert all characters. SvTkn for example only converted our
national swedish characters (åäö).
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1.3   Disclaimer and License Agreement

```
Disclaimer and License Agreement
================================
Well, I do not guarantee that this stuff will work or that it won't
```

make your HD go berzerk. Don't blame me! But that should not be the
case, the program seems quite reliable. It is quite impossible for
plenty of bugs to sneak into a short program like this.

Now to the License Agreement... This program is released as FreeWare.
Use it, give it to your friends, upload it to any BBS, but DO NOT
SELL IT FOR PROFIT! This is the programmer's wish and you really
should respect it!

1.4 Usage

```
Usage
=====
CharConv <from> <to> <fromchrs> <tochrs> [CR/LF/CRLF/NOANSI]
```

Well, this is quite simple. With the CR, LF and CRLF switches, you can
decide what the End of Line character(s) will be. If you don't enter
anything here, the EOL will not the changed.

If you specify NOANSI, CharConv will try to remove all ANSI sequences
from the text.

In this version there are four built-in charsets:

AMIGA, ISO Normal Amiga character set according to the chart in my
            AmigaBASIC-manual (ISO Latin-1)

IBM, PC   IBM PC Character set according to "IBM International 1"
            in the manual to my MPS 1230 printer.

MAC   Macintosh 8-bit character set

SF7, SIS   Swedish 7-bit character set. This character set is based
            on the chart in my printer manual, but lots of things are
            changed to suit my personal needs.

            All characters in this charset have an ASCII value <128. If
            you convert from this charset and the characters are >127,
            some characters are taken from the IBM character set and some
            are taken from AMIGA.

If you specify a charset that CharConv doesn't know, it tries to load
the *.crossdos file in L:FileSystem_Trans with that name. If you for some
reason want to use the external charset instead of the built-in, just
write '#' in front of the charset name ("#MAC", for example).

Is the charset you need missing? Please send me some information so that
I can add it to CharConv.

Is there an error in some of the charsets? Please tell me! When
entering all that boring charset data, one easily hits the wrong key!

Please note that all text first is converted to Latin-1 and then
converted to the destination charset. If a character exists in both the
destination charset and the charset you are converting from, but not in

the Amiga charset, it will appear as a question mark.

1.5 Future of CharConv

```
Future of CharConv
==================
I don't intend to make a GUI as I believe that it is quite useless for this
program. If you think it would be good, feel free to contact me.

I plan to add support for other IBM Codepages than 437 in future versions.
I have the specifications for Codepage 865 (Danish/Norwegian) and 850, if
you need support for another Codepage, please mail me the specifications.

(As you might know, IBM is not just one charset)
```

1.6 Acknowledgements

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Acknowledgements
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I wish to thank the following persons:

Johannes Nilsson for beta-testing. He has had several crashes, but that
is a beta-tester's life... :-)

Jesper Bröndum and Mikael Ståldal for sending me ASCII tables and
specifications of the Macintosh-charset.

Jesper Bröndum, Roger Nordin and Kenth Rosenqvist for supplying me with
FidoNet and UseNet. I also want to thank Håkan Dennersten for importing
Amiga-related FidoNet echos and AmigaNet to Sweden.

Nico François and Raymond Penners for letting me beta-test their great
programs.

Matt Dillon for providing the Amiga community with the cheap and good
C-compiler I compiled CharConv with: DICE!
```

1.7 How to contact the author

```
How to contact the author
=========================
FidoNet:   Johan Billing@2:200/207.6
InterNet:  johan.billing@kcc.ct.se

SnailMail: Johan Billing
           Östra Storgatan 22
           260 60 Kvidinge

If you send me specifications on new charsets, please also send me an
example text so that I can try CharConv before releasing a new version.
```

```
If you can, please send charset data in electronic form. Typing in
ASCII tables is booring... :-/
```

1.8 Program History

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History
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1.00 - First release


1.01 - Corrected some mistakes in the translation tables
     - Removed EOL feature. It did not work very well and I had no
       idea how to fix it.. :(


1.10 - Release 2 Version string added
     - CharConv is now three times faster than old versions! I
       replaced the fgetc() routine in Dice with my own buffered
       I/O routines.


1.11 - Small changes in the translation tables. When converting
       to SF7, "é" is now converted to "e" instead of "'".


1.12 - When converting to SF7, all characters with an ASCII value below
       0x9B (127) are not changed. This caused problems with UUEncode and
       UUDecode in older versions.


1.2  - Now CharConv doesn't crash all the time... :-) There is a bug in
       my version of Dice that crashed my betatester's A1200. The bug
       disappeared when I made "UBYTE buf[BUFSIZE]" a global variable.


1.3  - New version of Dice, and the bug mentioned above will hopefully
       never appear again. If it really was a bug in Dice... :-)

     - Now also supports the character set used by Macintosh computers

     - EOL feature is back! CharConv can now also change the End of Line
       character in a textfile to CR, LF or CRLF.

     - AmigaGuide manual


1.4  - CharConv can now use the *.crossdos files in L:FileSystem_Trans.
       If you specify a charset that CharConv doesn't know, it tries
       to load the *.crossdos file with that name. If you for some reason
       want to use the external charset instead of the built-in, just
       write '#' in front of the charset name ("#MAC", for example).


1.5  - CharConv can now also strip ANSI sequences in the file it converts.
       Check out the option NOANSI. If CharConv fails to strip any
       sequences, please e-mail me and tell me.
       (Suggested by Marcus Sommarmyr)
```