

# NeXT System Administration Release Notes: TrueType fonts

This file contains release notes for TrueType font support, which is new in Release 4.0.

## **ttf2font**

True Type font files can be converted to font files which are usable by the OpenStep WindowServer and AppKit. The **ttf2font** command line utility converts a TrueType font file to a font directory which contains the Postscript Type 42 font definition as well as the Adobe Font Metrics file. The command line syntax is as follows

```
ttf2font [-o outputPath] trueTypeFont.ttf
```

where

**-o *outputPath***                      Output path where .font files will be placed

For example, the command line

```
ttf2font -o ~/Library/Fonts TIMES.TTF
```

converts the TrueType font file TIMES.TTF and places the resultant .font directory into the ~/Library/Fonts directory using standard encoding.

More advance options are also available and are as follows;

**-v**                      Set to verbose mode where all errors and messages are printed to standard output.

**-e *encoding***              Use a specific encoding scheme, where *encoding* is one of

**nextstep**              Nextstep encoding

<b>standard</b>	Adobe standard encoding
<b>isolatin1</b>	ISO latin 1 encoding
<b>symbol</b>	Symbol encoding
<b>font</b>	Font specific encoding

Encoding schemes stored within the font file are **font** specific encoding schemes. The font vendor is responsible embedding a suitable encoding scheme for your platform.

Specifying an encoding scheme other than **font**, causes the program to ignore the font specific encoding schemes stored within the file.

-p *platformID* Within a TrueType font file there are several tables  
 -s *platformSpecificID* which contain font specific encoding schemes.  
 These encoding schemes are organized by platform and there can be more than one encoding scheme stored within a file, each identifying a different platform.

These options allow you to override the default platform. The *platformID* and *platformSpecificID* pair must identify a valid encoding scheme stored within the file. The -v option allows you to observe the platform encoding schemes stored within the file. See ***The TrueType Font Format Specification*** for more details.

If no encoding option is specified and the font does not contain alpha-numeric characters then the best **font** specific encoding scheme is used. Otherwise, the default encoding is **standard** encoding.

If no encoding schemes yield any glyph to character mappings, then all the glyphs are linearly mapped to character codes 32 through 255.

## Known Bugs

Printing of TrueType fonts can only be performed on printers with Postscript interpreter versions greater than 2013 which have Type 42 font support.

The TrueType fonts MS Line Draw and Symbol MT do not work.

