

SubsetFont

Utility to Reduce a Font's Size

User's Manual

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"Everything for Embedded Control"

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Introduction

SubsetFont is a command line utility that can be used to reduce the size of a font by removing glyphs that are not used by an application. This utility is particularly useful to make use of fonts on an embedded system with a limited amount of memory.

System Requirements

- Windows XP, Vista, 7 or 8
- .Net Framework 4.0

Usage

```
SubsetFont InputTextFile InputFontFile OutputFontFile
```

Arguments

Argument	Description
<i>InputTextFile</i>	Path to the text file containing the characters of the glyphs to keep.
<i>InputFontFile</i>	Path to the font file from which to remove unused glyphs.
<i>OutputFontFile</i>	Path to the resulting font file after all unused glyphs have been removed.

Example 1

Create a text file named "Letters.txt" with the following contents:

```
abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ
```

Invoke *SubsetFont* to reduce *Arial.ttf* to only contain the glyphs for the characters in *Letters.txt*.

```
SubsetFont Letters.txt C:\Windows\Fonts\Arial.ttf Arial_l.ttf
```

Subsetfont will produce the following output:

```
SubsetFont v1.0.0.0
Results:
 0 glyphs could not be found
InputFontFile:    778KB  2,816 glyphs
OutputFontFile:   205KB    52 glyphs
Reduction:        73.57%
```

Arial_l.ttf now only contains upper and lower-case English letters and will consume 73.47% less memory in the target embedded system.

Example 2

If you wish to subset a font directly from the command prompt without first creating an input file use a command similar to this.

```
echo|set /p="Hello" > input.txt & subsetfont input.txt c:\windows\fonts\arial
.ttf arialx.ttf & del input.txt
```

This will create a new font file with only the glyphs for characters H, e, l, and o. The input file is created right before calling subsetfont and deleted immediately after.