PDFBox - PDF Fonts

Table of contents

1. Standard 14 Fonts

The PDF specification states that a standard set of 14 fonts will always be available when consuming PDF documents. In PDFBox these are defined as constants in the PDType1Font class.

Standard Font
PDType1Font.TIMES_ROMAN
PDType1Font.TIMES_BOLD
PDType1Font.TIMES_ITALIC
PDType1Font.TIMES_BOLD_ITALIC
PDType1Font.HELVETICA
PDType1Font.HELVETICA_BOLD
PDType1Font.HELVETICA_OBLIQUE
PDType1Font.HELVETICA_BOLD_OBLIQUE
PDType1Font.COURIER
PDType1Font.COURIER_BOLD
PDType1Font.COURIER_OBLIQUE
PDType1Font.COURIER_BOLD_OBLIQUE
PDType1Font.SYMBOL
PDType1Font.ZAPF_DINGBATS

2. TrueType Fonts

2.1. Embedding TrueType Fonts

PDFBox supports embedding TrueType fonts. Loading a new font is easy.

```
    PDDocument doc = PDDocument.load( ... );
    PDFont font = PDTrueTypeFont.loadTTF( doc, new File(
"SpecialFont.ttf" ) );
```

2.2. External TrueType Fonts

While it is recommended to embed all fonts for greatest portability not all PDF producer applications will do this. When displaying a PDF it is necessary to find an external font to use. PDFBox will look for a mapping file to use when substituting fonts.
PDFBox will load Resources/PDFBox_External_Fonts.properties off of the classpath to map font names to TTF font files. The UNKNOWN_FONT property in that file will tell PDFBox which font to use when no mapping exists.