



## How to use TrueType fonts in PL/PDF (Standard and Unicode) V3.0.0

The PDF specification enables the use of TrueType fonts in PDF documents as embedded fonts. PL/PDF supports the use of embedded TTF fonts.

Usage:

1. Obtain the desired TTF file.
2. Load the PLPDF\_TTF\_FILE table:
  - a. ID (NUMBER): unique identifier
  - a. FONTFILE\_NAME (VARCHAR2(255)): TTF file name with extension (.ttf)
  - b. FONTFILE\_DATA (BLOB): the binary TTF font
2. Generate the data necessary for the embedding: run `plpdf_ttf_parser.StoreTTF` procedure:
  - a. P\_FONT\_FILE\_ID: the value of the ID in PLPDF\_TTF\_FILE
  - b. P\_ENC: encoding value, use one of the supported encoding values specified in the PL/PDF documentation (see `SetEncoding` command). The default value is `cp1252`. For Unicode use `utf16`. The encoding is dependent on the TTF file. Please check what the necessary encoding for your font file is.
  - c. P\_COMMIT: execute `COMMIT` statement after inserting recordsThe generated data is stored in the `PLPDF_ADD` and `PLPDF_ADD_CW` tables. The ID is taken from the `PLPDF_TTF_S` sequence. The ID can be used to reference the font during the generation of the PDF document.

### Use TTF while generating a PDF document

The create data can now be used while generating a PDF document. Here is how to use the fonts in the PDF generator:

- Declare a `Plpdf_Type.t_addfont` type variable, e.g. `l_ttf Plpdf_Type.t_addfont;`
  - Retrieve the font using the `Plpdf_TTF.GetTTF` procedure. The parameter is the ID field of the `PLPDF_ADD` table, e.g. `l_ttf := Plpdf_Ttf.GetTTF(21);`
  - Add the TTF font to the PDF document: run the `Plpdf.addTTF` procedure, where the parameters are:
    - o `P_FAMILY`: the name that can be used to reference the font in the `SetPrintFont` procedure.
    - o `P_STYLE`: the font style (some TTF fonts only contain the regular style):
      - `NULL`: regular
      - `B`: Bold
      - `I`: Italic
      - `BI`: Bold, Italic
    - o `P_DATA`: data needed to embed the font. Use the result of the `Plpdf_TTF.GetTTF` function.
- Example: `Plpdf.addTTF('ArialMT', NULL, l_ttf);`
- After this the font can be referenced by the `SetPrintFont` procedure using the `P_FAMILY`.

Warning: using TrueType fonts in conjunction with PDF file Protection may significantly decrease the speed of PDF generation, because the embedded file is also encrypted using the RC4 encryption.