FreeType flags

- **FREETYPE2_CONFIGURE_CACHE** enables or disables freetype cache configuration.
- **FREETYPE2_FACE_COUNT_MAX** sets the maximum number of faces supported by cache and must be a constant integral C expression.
- **FREETYPE2_FACE_SIZE_COUNT_MAX** sets the maximum number of sizes supported by cache and must be a constant integral C expression.
- **FREETYPE2_GLYPH_CACHE_SIZE** defines the size of the buffer to cache glyph bitmaps and must be a constant integral C expression.
- **FREETYPE2_MODLOAD_DRIVER_BDF** defines whether the BDF (Bitmap Distribution Format) font driver module is loaded or not.
- **FREETYPE2_MODLOAD_DRIVER_CFF** defines whether the CFF font driver module is loaded or not.
- **FREETYPE2_MODLOAD_DRIVER_PCF** defines whether the PCF font driver module is loaded or not.
- **FREETYPE2_MODLOAD_DRIVER_PFR** defines whether the PFR font driver module is loaded or not.
- **FREETYPE2_MODLOAD_DRIVER_T1** defines whether the T1 font driver module is loaded or not.
- **FREETYPE2_MODLOAD_DRIVER_T1CID** defines whether the T1CID font driver module is loaded or not.
- **FREETYPE2_MODLOAD_DRIVER_T42** defines whether the T42 font driver module is loaded or not.
- **FREETYPE2_MODLOAD_DRIVER_TT** defines whether the TT font driver module is loaded or not.
- **FREETYPE2_MODLOAD_DRIVER_WINFNT** defines whether the WINFNT font driver module is loaded or not.
- **FREETYPE2_MODLOAD_MODULE_AUTOFIT** defines whether the autofitter (auto-hinter) module is loaded or not.
- **FREETYPE2_MODLOAD_MODULE_PSAUX** defines whether the helper module psaux is loaded or not.
- **FREETYPE2_MODLOAD_MODULE_PSHINTER** defines whether the module pshinter is loaded or not.
- **FREETYPE2_MODLOAD_MODULE_PSNAMES** defines whether the helper module psnames is loaded or not.
- **FREETYPE2_MODLOAD_MODULE_SFNT** defines whether the helper module sfnt is loaded or not.
- **FREETYPE2_MODLOAD_RENDERER_FT_RASTER1** defines whether the renderer module raster1 is loaded or not.
- **FREETYPE2_MODLOAD_RENDERER_FT_SMOOTH** defines whether the renderer module smooth is loaded or not.

- **FREETYPE2_MODLOAD_RENDERER_FT_SMOOTH_LCD** defines whether the renderer module smooth_lcd is loaded or not.
- **FREETYPE2_MODLOAD_RENDERER_FT_SMOOTH_LCDV** defines whether the renderer module smooth_lcdv is loaded or not.
- **FREETYPE2_OPT_AF_CONFIG_OPTION_CJK** compile autofit module with CJK (Chinese, Japanese, Korean) script support.
- **FREETYPE2_OPT_AF_CONFIG_OPTION_INDIC** compile autofit module with fallback Indic script support.
- **FREETYPE2_OPT_AF_CONFIG_OPTION_USE_WARPER** compile autofit module with warp hinting.
- **FREETYPE2_OPT_CFF_CONFIG_OPTION_DARKENING_PARAMETER_X1** set the default X value for the first control point that define the stem darkening behavior of the CFF engine.
- **FREETYPE2_OPT_CFF_CONFIG_OPTION_DARKENING_PARAMETER_X2** set the default X value for the second control point that define the stem darkening behavior of the CFF engine.
- **FREETYPE2_OPT_CFF_CONFIG_OPTION_DARKENING_PARAMETER_X3** set the default X value for the third control point that define the stem darkening behavior of the CFF engine.
- **FREETYPE2_OPT_CFF_CONFIG_OPTION_DARKENING_PARAMETER_X4** set the default X value for the forth control point that define the stem darkening behavior of the CFF engine.
- **FREETYPE2_OPT_CFF_CONFIG_OPTION_DARKENING_PARAMETER_Y1** set the default Y value for the first control point that define the stem darkening behavior of the CFF engine.
- **FREETYPE2_OPT_CFF_CONFIG_OPTION_DARKENING_PARAMETER_Y2** set the default Y value for the second control point that define the stem darkening behavior of the CFF engine.
- **FREETYPE2_OPT_CFF_CONFIG_OPTION_DARKENING_PARAMETER_Y3** set the default Y value for the third control point that define the stem darkening behavior of the CFF engine.
- **FREETYPE2_OPT_CFF_CONFIG_OPTION_DARKENING_PARAMETER_Y4** set the default Y value for the forth control point that define the stem darkening behavior of the CFF engine.
- **FREETYPE2_OPT_FT_CONFIG_OPTION_ADOBE_GLYPH_LIST** enables the compilation of 'PSNames' with Adobe Glyph List.
- **FREETYPE2_OPT_FT_CONFIG_OPTION_DISABLE_STREAM_SUPPORT** define to disable the use of file stream functions and types, FILE,fopen() etc. Enables the use of smaller system libraries on embedded systems that have multiple system libraries, some with or without file stream support, in the cases where file stream support is not necessary such as memory loading of font files.
- **FREETYPE2_OPT_FT_CONFIG_OPTION_FORCE_INT64** enables the usage of 64-bit integers data types when __STDC__ macro is defined.
- **FREETYPE2_OPT_FT_CONFIG_OPTION_INCREMENTAL** allows the use of FT_Incremental_Interface to load typefaces that contain no glyph data, but supply it via a callback function.

- **FREETYPE2_OPT_FT_CONFIG_OPTION_INLINE_MULFIX** enables the usage of an inlined assembler version of the `FT_MulFix' function.
- **FREETYPE2_OPT_FT_CONFIG_OPTION_MAC_FONTS** enables support for outline fonts in Mac format (mac dfont, mac resource, macbinary containing a mac resource) on non-Mac platforms.
- **FREETYPE2_OPT_FT_CONFIG_OPTION_NO_ASSEMBLER** prevents the usage of an assembler version of performance-critical functions (e.g. FT_MulFix).
- **FREETYPE2_OPT_FT_CONFIG_OPTION_OLD_INTERNALS** this macro is obsolete. Support has been removed in FreeType version 2.5.
- **FREETYPE2_OPT_FT_CONFIG_OPTION_PIC i**f set FreeType2 will avoid creating constants that require address fixups.
- **FREETYPE2_OPT_FT_CONFIG_OPTION_POSTSCRIPT_NAMES** defines whether or not to load and enumerate the glyph Postscript names in a TrueType or OpenType file.
- **FREETYPE2_OPT_FT_CONFIG_OPTION_SUBPIXEL_RENDERING** activate LCD rendering technology similar to ClearType in the build of the library.
- **FREETYPE2_OPT_FT_CONFIG_OPTION_SYSTEM_ZLIB** allows FreeType's 'ftgzip' component to link to the system's installation of the ZLib library.
- **FREETYPE2_OPT_FT_CONFIG_OPTION_USE_BZIP2** enables FreeType to handle font files that have been compressed with the 'bzip2' program.
- **FREETYPE2_OPT_FT_CONFIG_OPTION_USE_HARFBUZZ** enables FreeType to use the HarfBuzz library to improve auto-hinting of OpenType fonts.
- **FREETYPE2_OPT_FT_CONFIG_OPTION_USE_LZW** enables FreeType to handle font files that have been compressed with the ‘compress’ program.
- **FREETYPE2_OPT_FT_CONFIG_OPTION_USE_MODULE_ERRORS** if enabled change the error codes so the higher byte gives the module in which the error has occurred, while the lower byte is the real error code.
- **FREETYPE2_OPT_FT_CONFIG_OPTION_USE_PNG** enables FreeType to handle the loading of color bitmap glyphs in the PNG format.
- **FREETYPE2_OPT_FT_CONFIG_OPTION_USE_ZLIB** enables FreeType to handle font files that have been compressed with the 'gzip' program.
- **FREETYPE2_OPT_FT_DEBUG_AUTOFIT** if defined, FreeType provides some means to control the autofitter behaviour for debugging purposes with global boolean variables.
- **FREETYPE2_OPT_FT_DEBUG_LEVEL_ERROR** enables the build of FreeType library in debug mode. FREETYPE2_OPT_FT_DEBUG_LEVEL_TRACE enables the build of FreeType library in trace mode.
- **FREETYPE2_OPT_FT_DEBUG_MEMORY** enables the compilation of FreeType library with an integrated memory debugger that is capable of detecting simple errors like memory leaks or double deletes.
- **FREETYPE2_OPT_FT_MAX_MODULES** defines the maximum number of modules that can be registered in a single FreeType library object (32 is the default).
- **FREETYPE2_OPT_FT_RENDER_POOL_SIZE** defines the size in bytes of the render pool used by the scan-line converter to do all of its work.
- **FREETYPE2_OPT_T1_CONFIG_OPTION_NO_AFM** prevents the compilation of ‘t1afm’, which is in charge of reading Type 1 AFM files into an existing face.
- **FREETYPE2_OPT_T1_CONFIG_OPTION_NO_MM_SUPPORT** prevents the compilation of the Multiple Masters font support in the Type 1 driver.

- **FREETYPE2_OPT_T1_MAX_CHARSTRINGS_OPERANDS** defines the charstring stack's capacity (minimum 16 is required).
- **FREETYPE2_OPT_T1_MAX_DICT_DEPTH** defines the maximum depth of nest dictionaries and arrays in the Type 1 stream (minimum 4 is required).
- **FREETYPE2_OPT_T1_MAX_SUBRS_CALLS** defines the maximum number of nested sub-routine calls during glyph loading.
- **FREETYPE2_OPT_TT_CONFIG_CMAP_FORMAT_0** enables support for TrueType CMap table format 0.
- **FREETYPE2_OPT_TT_CONFIG_CMAP_FORMAT_10** enables support for TrueType CMap table format 10.
- **FREETYPE2_OPT_TT_CONFIG_CMAP_FORMAT_12** enables support for TrueType CMap table format 12.
- **FREETYPE2_OPT_TT_CONFIG_CMAP_FORMAT_13** enables support for TrueType CMap table format 13.
- **FREETYPE2_OPT_TT_CONFIG_CMAP_FORMAT_14** enables support for TrueType CMap table format 14.
- **FREETYPE2_OPT_TT_CONFIG_CMAP_FORMAT_2** enables support for TrueType CMap table format 2.
- **FREETYPE2_OPT_TT_CONFIG_CMAP_FORMAT_4** enables support for TrueType CMap table format 4.
- **FREETYPE2_OPT_TT_CONFIG_CMAP_FORMAT_6** enables support for TrueType CMap table format 6.
- **FREETYPE2_OPT_TT_CONFIG_CMAP_FORMAT_8** enables support for TrueType CMap table format 8.
- **FREETYPE2_OPT_TT_CONFIG_OPTION_BDF** defines whether to include or not support for an embedded ‘BDF’ table within SFNT-based bitmap formats.
- **FREETYPE2_OPT_TT_CONFIG_OPTION_BYTECODE_INTERPRETER** defines whether the TrueType driver should be compiled or not with a bytecode interpreter.
- **FREETYPE2_OPT_TT_CONFIG_OPTION_COMPONENT_OFFSET_SCALED** defines whether to use or not the Apple's definition of how to handle component offsets in composite glyphs while compiling the TrueType glyph loader.
- **FREETYPE2_OPT_TT_CONFIG_OPTION_EMBEDDED_BITMAPS** defines whether to support or not embedded bitmaps in all formats using the SFNT module (namely TrueType & OpenType).
- **FREETYPE2_OPT_TT_CONFIG_OPTION_GX_VAR_SUPPORT** defines whether to include or not support for Apple's distortable font technology (fvar, gvar, cvar, and avar tables).
- **FREETYPE2_OPT_TT_CONFIG_OPTION_MAX_RUNNABLE_OPCODES** defines the maximum number of bytecode instructions executed for a single run of the bytecode interpreter, needed to prevent infinite loops.
- **FREETYPE2_OPT_TT_CONFIG_OPTION_POSTSCRIPT_NAMES** defines whether or not to load and enumerate the glyph Postscript names in a TrueType or OpenType file.
- **FREETYPE2_OPT_TT_CONFIG_OPTION_SFNT_NAMES** enables the application to access the internal name table in a SFNT-based format like TrueType or OpenType. FREETYPE2_OPT_TT_CONFIG_OPTION_SUBPIXEL_HINTING defines whether to compile or not subpixel hinting support into the TrueType driver.

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