

Documentation of parameter filter settings for pdfFLY v6.1

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Version 6.1

Sample file of tgc.ini with the default values:

```
insert_as(ANCHOR)
page_size(LETTER, 0.0, 0.0)
vdc_extent(0, 0, 16000, 16000)
scaling_mode(ABSTRACT)
minsize_image(500)
clipping(1)
cropping(0)
bboxmargin(1.0)
chars2string(1)
chars2paths(0)
ignore_pathobjects(0)
ignore_textobjects(0)
ignore_imageobjects(0)
scaletext(1.0)
basedelta(0.0)
map_font("Courier", NORMAL, "Courier", NORMAL)
background_color(255, 255, 255)
scale_factor(20.0)
cgmlevel(1)
decr_pointsize(0)
donotflip(0)
abs_pointsize(0)
leading(0)
kerning(0.0)
rotate(0)
svg_raster(INCLUDED)
svg_appl(ADOBE)
viewport_scale(SCALE, 1.0, 640.0, 480.0)
autorotation(0)
linecap(1)
initclip(0)
clipmargin(0.0)
encoding(1)
dither(1)
tiff_dpi(75)
tiff_compress(LZW)
tiff_bpp("colormap")
multipagetiff(0)
doc_type(FORM)
min_linewidth(0.0)
ctm_scale(1.0)
dxf_whitefill(0)
linestyle(1)
svg_kerning(1)
add_font("Arial", "Arial", "Arial-Roman.ps", NORMAL)
digitspage_number(0)
firstpage_number(0)
map_char_font("FontXXX", NORMAL, WINMSANSI)
messages_filename("c:\\temp\\tgclog")
psdriver("PostScript Driver")
emulate_font("FontName")
image_quality(SMOOTH)
image_crop(w, h, "extension")
image_size(SCALE, 0, 0)
image_pdfcrop(0)
```

Below you will find a description of the functions.

`insert_as(ANCHOR)`

If ANCHOR, TGC computes and uses the bounding box of the drawing as dimensions.
If PAGE, TGC uses the page dimensions.

`page_size(LETTER, 0.0, 0.0)`

`str = LETTER` Pagesize is set to Letter Size.

`str = A4` Pagesize is set to A4

`str = CUSTOM` 2nd and 3rd argument indicates the width and height of the page in millimeters, these arguments are ignored in case of LETTER and A4.

`str = AUTOMATIC` In case of converting PDF files, the interpreter itself figures out the page size.

(default = LETTER)

`vdc_extent(0, 0, 16000, 16000)`

(CGM only) Virtual device coordinate system. Used when `scaling_mode` is set to ABSTRACT

`scaling_mode(ABSTRACT)`

(CGM only) If value is ABSTRACT TGC uses a virtual device coordinate system , otherwise METRIC

`minsize_image(500)`

Emulates PostScript cropping of pattern fills in arbitrary shapes in target formats.

Set to (0) if characters in PostScript file are represented by bitmaps. Default = (500) is the maximum number of pixels of the pattern fill object.

`clipping(1)`

Ignore clipping commands in PostScript file during conversion

(0) = ignore

(1) = don't ignore (default)

`cropping(0)`

If set to 1 the PDF/PS conversion emulates the PostScript cropping command

(default=0)

`bboxmargin(0.0)`

Extra white space around the drawing

`chars2string(1)`

Combine as many characters as possible into 1 text string

`chars2paths(0)`

If set to 1 characters are represented as bezier curves. (PS/PDF module only)

`donotflip(0)`

If set to 1 the image objects are flipped in the Y-direction. Only set this value to 1

If the image objects are flipped. (default=0)

`ignore_pathobjects(0)`
Ignore Path objects.

`ignore_textobjects(0)`
Ignore Text objects.

`ignore_imageobjects(0)`
Ignore Image objects

`scaletext(1.0)`
(CGM only) Scale height of the text strings

`basedelta(0.0)`
(ASCII only) Merge strings to one line if the baseline is less then the specified value.

`map_font("Courier", NORMAL, "Courier", NORMAL)`
Mapping of fonts.

`background_color(255, 255, 255)`
(CGM only) Specifies background color of the graphic in RGB colors.
Default (255,255,255) = white.

`scaling_factor(20.0)`
Logical unit for both CGM and WMF. Do not change value unless
advised by support@square1.nl

`cgmlevel(1)`
(CGM only) Level of CGM file, 1 till 4. Default=1

`decr_pointsize(0)`
(ASCII only) Adjust to optimize conversion results to maintain column integrity of tabular
information in PostScript file. (x) value decreases actual font size by x pts during conversion,
resulting in more characters per column.
(0) = default

`abs_pointsize(0)`
(ASCII only) Similar as `decr_pointsize`, but specifies absolute font size for all text in
PostScript file.
(0) = don't use this variable (default)
(x) = point size

`kerning (0.0)`
(ASCII only) Decrease the width of the character with this value. Default = 0.0

`leading(0)`
(ASCII only) Defines vertical spacing of text lines. The `leading(x)` value is added to the
normal baseline difference between two text lines.

`rotate(0)`
Rotate the drawing using the angle specified. Default = 0, no rotation.

`svg_raster(INCLUDED)`
Embedded raster images are converted to JPEG compressed images for the SVG output filter.
INCLUDED = images are embedded into the SVG file
REFERENCED = images are saved as separate .jpg files and placed in the SVG by reference

`svg_appl(ADOBE)`
Optimizes SVG output for rendering application.
ADOBE = Adobe SVG Viewer
FOP = Apache Batik/FOP

viewport_scale(SCALE, 1.0, 640.0, 480.0)

Use SCALE or FIT

SCALE - scales size of resulting image by absolute value (1.0 = original size).
Decrease value to scale down, increase value to scale up.

FIT - scales size of resulting image to specified width x height pixel space (640.0, 480.0).
Image is intelligently scaled to preserve aspect ratio within maximum width x height.

For Adobe SVG Viewer choose SCALE or FIT
For Batik/FOP rendering choose FIT

autorotation(0)

If set to 1, TGC tries to figure out the rotation of the pages automatically.
(default=0)

linecap(1)

If set to 1, TGC simulates the linecaps
(default=1)

initclip(1)

If set to 0 the initial page clip if set is ignored. (default=1)

clipmargin(0.0)

Enlarges the PostScript clipping rect with the value.(default = 0.0)
Do not change this value without consulting Square One first.

encoding(1)

If set to 0, the actual value of the character is taking. (default=1)
Do not change this value without consulting Square One first.

dither(1)

(EMF,WMF only) If set to 0 embedded color images are not dithered to a 256 color image.
(default=1)

tiff_bpi("colormap")

(TIFF only)

"" = truecolor 24-bit TIFF image
"" = colormap 8-bit colormap TIFF image
"" = b&w 1-bit black and white TIFF image

tiff_dpi(#)

(BITMAP only)

= value Resolution of the image
(default = 75).

tiff_compress(#)

(TIFF only)

= PACKBITS Mactintosh Packbits compression is used
= LZW Lempel-Ziv & Welch compression is used.
= FAX3 CCITTFAX3 compression is used (b&w)
= FAX4 CCITTFAX4 compression is used (b&w)
= NONE No compression used.
(default = LZW)

multpagetiff(#)

(TIFF only) If set to 1, a multipage PDF/PS file is converted into a multipage TIFF file,
otherwise for each page a separate TIFF file is created
(default = 0)

`doc_type(FORM)`

(ASCII only) Specifies the type of contents of the PDF/PS file, form or document.
In case of document, set the value to DOC. (default = FORM)

`min_linewidth(#)`

Defines the minimal line width in mm for each vector object (default = 0.0)

`ctm_scale(1.0)`

In order to get higher precision of the coordinates, increase this value to 20.0
Default = 1.0 Do not change this value without consulting Square One first.

`dxg_whitefill(0)`

In DXF white fills could should up as black fills, setting this Value to 0 will ignore all
objects with white fills. (default = 0)

`add_font("Arial-Roman", "Arial", "Arial-Roman.ps", NORMAL)`

You can add Adobe Type 1 fonts to The Graphics Connection in order
to for example get better WYSIWYG results.

You need to specify the font name, family name, filename of the Adobe Type 1 PS font
file (to be copied into the %TGCINSTALL%\utilities\etc directory) and the style of the font
(NORMAL, BOLD, ITALIC or BOLD-ITALIC).

Do not add fonts without consulting Square One first.

`linestyle(1)`

Setting this value to 0, linestyles are rendered as small line segments in order to ensure
100% WYSIWYG.

Default = 1.

`svg_kerning(1)`

(SVG only). Setting this value to 0, kerning is ignored.

Default = 1. Do not change this value without consulting Square One first.

`digitspage_number(0)`

Defines the number of digits used for the page number. 0 means no extra 0-digits.
For example value set to 5 results in: page-00001, page-00002 etc.

Default = 0.

`firstpage_number(0)`

Defines the starting number for the pages. Default = 0.

`map_char_font("FontXXX", style, WINMSANSI)`

In some cases a PDF file does not contain the mapping of the characters for a certain font.

With this function you can set the mapping. Do not use this function without consulting Square
One first.

`messages_filename("c:\\temp\\tgclog")`

By default message are directed to standard out. With this function the messages
can be directed to a file.

`psdriver("PostScript Driver")`

metaFLY only

The EMF/WMF metafile parser will use this driver as an intermediate step to convert to the
outout specified. The driver must be available on the system. If not specified the native direct
parser of EMF or EMF is used. Do not use this function without consulting Square One first.

`emulate_font("FontName")`

Characters with as fontname attribute "FontName" will be rendered as Bezier curves.

`image_quality(SMOOTH)`

PNG/JPG/GIF only

If set to SMOOTH the antialiasing/high quality rendering engine is use, if set to BASIC The basic rendering engine is used.

`image_crop(w, h, "extension")`

PNG/JPG/GIF only

Meaning if the size of the PNG/JPG/GIF would exceed the w(idth) or h(eight), 2 files are automatically created, one cropped which uses the cropext as extra part of the filename and one with the regular size, using the name specified on the pdf2xxx or ps2xxx command:

`image_crop(300, 394, cropped)`

`pdf2xxx foo.pdf foo.png`

will result in foo-cropped.png, foo.png if w or h exceeds the 300 or 394.

`image_size(SCALE, w, h)`

Bitmap only

If first parameter is set to FIT the image is scaled to either the w(idth) or h(eight) in pixels depending which value is set unequal to zero. Scaling is done symmetric.

`image_pdfcrop(0)`

PNG/JPEG/GIF only

Only valid if image_quality is SMOOTH. By default the cropping info of the PDF file is used. Setting image_pdfcrop to 1 pdfFly computes the bounding box itself (removing white space around the picture)