

## Documentation of parameter filter settings for PDF FLY/FLY SDK v8

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Version 8

Sample file of pdf2xxx.ini/ps2xxx.ini with the default values:

```
/* general */

/* size options */
insert_as(ANCHOR)
page_size(LETTER, 0.0, 0.0)
bboxmargin(1.0)
page_range(-1, -1)
rotate(0)

/* clipping/cropping functions */
clipping(1)
initclip(0)
cropping(0)
clipmargin(0.0)

/* object on/off functions */
ignore_pathobjects(0)
ignore_textobjects(0)
ignore_imageobjects(0)

/* text strings functions */
chars2string(1)
chars2paths(0)
scaletext(1.0)

/* precision function */
ctm_scale(1.0)

/* path/pattern functions */
linecap(1)
linestyle(1)
minsize_image(500)
min_linewidth(0.0)

/* output file name functions */
digitpage_number(0)
firstpage_number(0)
pagedelimiter("-")
file_isdirname(0)

/* font handling functions */
font_warnings(1)
map_default_font("", NORMAL)
map_font("Courier", NORMAL, "Courier", NORMAL)
add_font("Arial", "Arial", "Arial-Roman.ps", NORMAL)
map_font_printer("FontName", "PrinterFontName")
emulate_font("FontName")

/* error/warnings message functions */
messages_filename("c:\\temp\\tgclog")
```

```
/* CGM options */
vdc_extent(0, 0, 16000, 16000)
scaling_mode(ABSTRACT)
background_color(255, 255, 255)
cgmlevel(1)

/* WMF/EMF options */
scale_factor(20.0)
donotflip(0)
dither(1)
emf_kerning(0)

/* ASCII options */
doc_type(FORM)
basedelta(0.0)
decr_pointsize(0)
abs_pointsize(0)
leading(0)
kerning(0.0)
autorotation(0)
ascii_format(ISO8859)

/* SVG options */
svgversion()
svg_raster(INCLUDED)
svg_appl(ADOBE)
viewport_scale(SCALE, 1.0, 640.0, 480.0)
svg_kerning(0)
svg_stylespageno(0)

/* image (TIFF) options */
tiff_dpi(150)
tiff_compress(LZW)
tiff_bpp("colormap")
tiff_faxdpi(150)
multipagetiff(0)

/* image options high anti-aliasing image rendering engine */
image_size(SCALE, 640, 480)
image_pdfcrop(0)
image_epshdr(1)
color_mode(IMGCUSTOM)
image_quality(SMOOTH)
image_quality_factor(100)
tiff_cmyk()
jpg_cmyk()
image_bgcolor()

/* DXF options */
dxf_whitefill(0)
dxf_unitspermm(1.0)
zero_linewidth(0)
dxf_path2poly(0)
dxf_layers(DXF_NOLAYERS)
dxf_colordashlines(0)
multipagedxf(SINGLE)
setflat(0.01)
```

```

/* EPS options */
eps_include("Adobe Type 1 Font")
eps_fittopage(0)
eps_cmyk(0)

```

Below you will find a description of the functions.

```

/* general */

```

```

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)
bboxmargin(0.0)
    Extra white space around the drawing
page_range(-1, -1)       PDF input only
    If set only the pages specified in the page_range will be converted.
    For example page_range (4, 6): page 4, 5 and 6 will be converted
rotate(0)
    Rotate the drawing using the angle specified. Default = 0, no rotation.

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)
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.

ignore_pathobjects(0)
    Ignore Path objects.
ignore_textobjects(0)
    Ignore Text objects.
ignore_imageobjects(0)
    Ignore Image objects

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)
scaletext(1.0)
    Scale height of the text strings

ctm_scale(1.0)
    In order to get higher precision of the coordinates, increase this value to 20.0

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

`linestyle(1)`  
 Setting this value to 0, linestyles are rendered as small line segments in order to ensure 100% WYSIWYG.  
 Default = 1.

`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.

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

  

`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.

`pagedelimiter("-")`  
 The character specified as pagedelimiter is used when converting a Multipage PDF or PostScript file. (Default is "-")

`file_isdirname(0)`  
 If set to 1, the output name is used as directory, for example  
 Ps2xxx test.ps foo.wmf creates a directory foo and in this directory  
 the wmf-files are written using only the pagenumber.

  

`font_warnings(1)`  
 If set to 0 font warnings are suppressed.

`map_font("Courier", NORMAL, "Courier", NORMAL)`  
 Mapping of fonts.  
 Style can be NORMAL, BOLD, BOLDITALIC, ITALIC.

`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.

`emulate_font("FontName")`  
 Characters with as fontname attribute "FontName" will be rendered as Bezier curves (emulated). Wildcards are allowed.

`map_font_printer("FontName", "PrinterFontName")` **EPS only**  
 Font with name FontName is substituted by PrinterFontName  
 For example: `map_font_printer("Arial", "Helvetica")`

`messages_filename("c:\\temp\\tgclog")`  
 By default message are directed to standard out. With this function the messages can be directed to a file.

  

**/\* CGM options \*/**

`vdc_extent(0, 0, 16000, 16000)`  
 (CGM only) Virtual device coordinate system. Used when `scaling_mode` is set to ABSTRACT

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

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

```

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

/* WMF/EMF options */

scaling_factor(20.0)
    Logical unit setting. Do not change value unless
    advised by support@square1.nl
dither(1)
    If set to 0 embedded color images are not dithered to a 256 color image. (default=1)
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)
emf_kerning(0)
    If set to 1 the (kerning) widths of the characters are passed to the EMF file.
    If set to 2 (and chars2string set to 2) the (kerning) widths of the characters
    based on the character position of the characters in the PDF/PostScript file are
    passed to the EMF file.
    In the default case (0) the widths have default value (no kerning).

/* ASCII options */

doc_type(FORM)
    Specifies the type of contents of the PDF/PS file, form or document.
    In case of document, set the value to DOC. (default = FORM)
basedelta(0.0)
    Merge strings to one line if the baseline is less then the specified value.
decr_pointsize(0)
    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)
    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)
    Decrease the width of the character with this value. Default = 0.0
leading(0)
    Defines vertical spacing of text lines. The leading(x) value is added to the
    normal baseline difference between two text lines.
ascii_format(ISO8859)
    Specifies the encoding used in the text output file.
    Other options are: UTF8 and UNICODE.

/* SVG options */

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

svg\_kerning(0)  
Setting this value to 0, kerning is ignored.  
Setting the value to 2 (PDF input file only) will create SVG text strings using  
The tspan functionality. (chars2string must be set to 2 in this case also)  
Default = 0. Do not change this value without consulting Square One first.

svg\_stylespageno(0)  
If set to 1 for each svg-page unique style names are used, by using the page-number of the  
page as part of the style name.

**/\* image (TIFF) options \*/**

tiff\_bpi("colormap")  
"" = truecolor 24-bit TIFF image  
"" = colormap 8-bit colormap TIFF image  
"" = b&w 1-bit black and white TIFF image

tiff\_dpi(#)  
# = value Resolution of the image  
(default = 150).

tiff\_compress(#)  
# = 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)

multipagetiff(#)  
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)

**/\* image options high anti-aliasing image rendering engine \*/**

image\_size(SCALE, w, h)  
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\_quality(SMOOTH)  
If set to SMOOTH the antialiasing/high quality rendering engine is use, if set to BASIC  
The basic rendering engine is used.

image\_pdfcrop(0)  
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)

image\_epshdr(1)  
Only valid if image\_quality is SMOOTH. By default the bounding box information of the EPS  
file is used for the image dimension. Turning this off, pdfFLY itself will calculate the bounding  
box.

image\_quality\_factor(100)  
If image\_quality is set to SMOOTH, using this function the quality of the image can be set.  
Lower quality in most cases results in smaller file size

tiff\_cmyk(0)  
If set, CMYK TIFF file is created

jpg\_cmyk(0)  
If set, CMYK JPEG file is created

image\_bgcolor(255, 255, 255, 0)

Default background color of image in RGB color (white)

**/\* DXF options \*/**

`dxf_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)

`dfx_path2poly(0)`

If set to 1 paths are represented as polylines/polygons.

`dxf_unitspermm(1.0)`

Scaling factor between the logical DXF units and mm. Default 1.0

`zero_linewidth(0)`

If set to 1, line weight of all objects are set to 0.0. Default 0.

`dxf_path2poly(0)`

If set to 1 paths are represented as polylines/polygons.

`dxf_layers(DXF_NOLAYERS)`

By default all objects are put on the same layer (0). If set to  
DXF\_COLORLAYERS - all objects with the same color are put on a separate DXF layer.  
DXF\_LINEWLAYERS – all objects with the same line width are put on a separate DXF layer  
DXF\_PDFLAYERS – the layer information in the PDF file is used

`multipagedxf(SINGLE)`

Option to convert a multipage PDF file to one DXF-file.

SINGLE – Each PDF page is converted to a DXF-file

MERGE – All pages are merged on top of each other into 1 single DXF-file

ADDH – All pages are rendered in horizontal direction next to each other

ADDV – All pages are rendered in vertical direction

`setflat(0.01)`

Sets the accuracy with which curved path segments are to be rendered as polylines/polygons.

**/\* EPS options \*/**

`eps_include("Adobe Type 1 Font")`

With this option Adobe Type 1 Font files can be included into the EPS file.

Font file must be located in the `install_dir\fonts\etc` directory

For example: `eps_include("Arial.ps")`

`eps_fittopage(0)`

If set to 1 EPS-file is scaled to LETTER size.

`eps_cmyk(0)`

If set to 1 the EPS is using the CMYK color model.

