

Documentation of parameter filter settings for pdfFLY 7.0

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Version 7.0.0

Sample file of pdf2xxx.ini/ps2xxx.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\\tgclg")
psdriver("PostScript Driver")
emulate_font("FontName")
image_quality(SMOOTH)
emulate_font("FontName")
map_font_printer("FontName", "PrinterFontName")
eps_include("Adobe Type 1 Font")
image_crop(w, h, "extension", IMCROP)
image_size(SCALE, 0, 0)
```

```

image_pdfcrop(0)
wmf_file(WMFPLACEHDR)
stdin(0)
pagedelimiter("-")
file_isdirname(0)
emf_kerning(0)
svg_styles(0)
svg_kerning(0)
font_warnings(1)
eps_fittopage(0)
dfx_path2poly(0)
map_default_font("", NORMAL)
dxg_unitspermm(1.0)
zero_linewidth(0)
image_epshdr(1)
dxg_layers(DXF_NOLAYERS)
page_range(-1, -1)
eps_cmyk(0)
image_quality_factor(100)
merge("c:\\temp\\template.pdf")
mark(("c:\\temp\\stencil.ps")

```

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.
Style can be NORMAL, BOLD, BOLDITALIC, ITALIC.

`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)

SVG/Bitmap only

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)` **DXF only**
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(0)` **SVG only**
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.

`digitpage_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 output 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 (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)`

`eps_include("Adobe Type 1 Font")` **EPS only**

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")`

`image_quality(SMOOTH)` **Bitmap 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", type)` **Bitmap 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 or scaled depeing on type (IMGCROP OR IMGFIT), 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, IMGCROP)`

`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)` **Bitmap 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)

`image_epshdr(1)` **Bitmap only**

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.

wmf_file(WMFPLACEHDR)

WMF only

Default WMF output has the Aldus placeble header.
If set to WMFPLAIN the header is not written to the WMF output.

stdininput(0)

If set to 1, pdf2xxx and ps2xxx can read from standard input,
%stdin must be used in this case as input filename.

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.

emf_kerning(0)

If set to 1 the (kerning) widths of the characters are passed to the EMF file.
If set to 2 (PDF only and chars2string set to 2) the (kerning) widths of the characters
based on the character position of the characters in the PDF-file are passed to the EMF file.
In the default case (0) the widths have default value (no kerning).

svg_syles(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.

font_warnings(1)

If set to 0 font warnings are suppressed .

eps_fittopage(0)

EPS only

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

dfx_path2poly(0)

DXF only

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

map_default_font("", NORMAL)

Default font mapping for unknown fonts if specified.
Style can be NORMAL, BOLD, BOLDITALIC, ITALIC.

dxfl_unitspermm(1.0)

DXF only

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

zero_linewidth(0)

DXF only

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

dxfl_layers(DXF_NOLAYERS)

DXF only

If set to DXF_COLORLAYERS, all objects with the same color are put on a separate DXF
layer.

`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.

`eps_cmyk(0)`

EPS only

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

`image_quality_factor(100)`

BITMAP only

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

`merge("c:\\temp\\template.pdf")`

When specified, the file is used as template when converting the File(s).
Can be used for database-publishing applications

`mark("c:\\temp\\stencil.ps")`

When specified, the file is used as stencil when converting the File(s).
Can be used for example to automatically add a "Confidential" string on top of the output file.