

Documentation of the .options file for Visual Integrity Suite for Unix

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Sample file of .options 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)
tiff_bpi("colormap")
tiff_dpi(72)
tiff_compress(LZW)
bboxmargin(0.0)
chars2string(1)
chars2paths(NONE)
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)
ctm_scale(1.0)
scale_factor(20.0)
cgmlevel(1)
decr_pointsize(0)
donotflip(0)
doc_type(FORM)
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)
initclip(0)
multipagetiff(1)
linecap(1)
clipmargin(0.0)
encoding(1)
dither(1)
min_linewidth(0.0)
dxf_whitefill(1)
linestyle(1)
svg_kerning(1)
add_font("Arial", "Arial", "Arial-Roman.ps", NORMAL)
mask(0)
chars2images(CURVES)
emulate_font("FontName")
map_font_printer("FontName", "PrinterFontName")
eps_include("Adobe Type 1 Font")
font_warnings(1)
dxf_path2poly(0)
map_default_font("", NORMAL)
dxf_unitspermm(1.0)
pagedelimiter("-")
image_quality_factor(100)
image_size(SCALE, 0, 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.
(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)`

(VECTOR only) 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)`

(VECTOR only) Ignore clipping commands in PostScript file during conversion
(0) = ignore
(1) = don't ignore (default)

`tiff_bpi("colormap")`

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

`tiff_dpi(#)`

(BITMAP only)
= value Resolution of the image
(default = 100).

`tiff_compress(#)`

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

`multpagetiff(#)`

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

`cropping(0)`

(VECTOR only) If set to 1 the PDF/PS conversion emulates the PostScript cropping command
(default=0)

`bboxmargin(0.0)`
Extra white space around the drawing (default=0.0)

`chars2string(1)`
(VECTOR only) Combine as many characters as possible into 1 text string

`chars2paths(NONE)`
(VECTOR only) If set to EMBEDDED, characters of embedded fonts are rendered as bezier curves. If set to ALL all characters are.

`donotflip(0)`
(EMF/WMF only)
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)`
(VECTOR only) Ignore Path objects.

`ignore_textobjects(0)`
(VECTOR only) Ignore Text objects.

`ignore_imageobjects(0)`
(VECTOR only) 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)` **Vector Formats only**
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.

`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.

`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

`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)

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

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

`viewport_scale(SCALE, 1.0, 640.0, 480.0)`
(SVG 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(#)`
(VECTOR only)
If set to 1, TGC tries to figure out the rotation of the pages automatically.
(default=0)

`initclip(#)`
If set to 0, the initial page clip is ignored. (default=0)

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

`min_linewidth(0.0)`
Specifies the minimal line width of the vector objects. (default=0.0)

`dxg_whitefill(1)`
In DXF white fills could should up as black fills, setting this Value to 0 will ignore all objects with white fills. Value -1 will replace fills with contour.

`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.
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.

`chars2images(CURVES)`
(BITMAP only). Specifies how characters should be rendered, options are CURVES (default), BIT8ANTI or BIT1

`emulate_font("FontName")`
Text using the specified font will be rendered as bezier curves (emulated).

`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/utilities/etc directory
For example: `eps_include("Arial.ps")`

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

`dxg_path2poly(0)` **DXF only**
If set to 1 paths are represented as polylines/polygons. Default 0

`map_default_font("", NORMAL)` **Vector Formats only**
Default font mapping for unknown fonts if specified. Default not specified.
Style can be NORMAL, BOLD, BOLDITALIC, ITALIC.

`dxg_unitspermm(1.0)` **DXF only**
Scaling factor between the logical DXF units and mm. Default 1.0

`pagedelimiter("-")`
The character specified as `pagedelimiter` is used when converting a
Multipage PDF or PostScript file. (Default is "-") Empty string means no delimiter.

`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_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