

# Caldera PrintConfig XML Specification

Caldera V9.20 (July 2013)  
v1.1 19/09/2013

## 1. Global format overview

All parameter nodes can be organized in several ways, depending on its provenance and destination. All nodes will be detailed later as relative paths, to be completed with information in this chapter. This document is focused on describing input parameters for configuring a print job when using `batch_print`. That is why only relevant parameters are described and the other are marked as undocumented.

The format of the configuration file is as follows:

```
<PrintConfig>
    ...parameters as described later...
</PrintConfig>
```

Please note that `batch_print` can accept several other formats, for compatibility with print quicksets (as implemented in print client) and the job-export format (as used by ReopenJob and Costview 3)

```
<preset name="...">
    ...parameters as described later...
</preset>
```

*Alternative 1: quickset format*

```
<Job>
    <PrintConfig>
        ...parameters as described later...
    </PrintConfig>
    ...spooler specific nodes...
</Job>
```

*Alternative 2: JobExport format*

## 2. Parameter specification

Parameters that have limited list of possible values (enums) can often be specified in two ways:

- by specifying the parameter as node value
- by specifying the parameter using the numeric index of the value

In the case both ways are used, the node value takes always precedence.

Example 1:   <paper idx="3">Plain Paper</paper>

This example will select a media which name is "Plain Paper". If no media with this name exists, 4<sup>th</sup> media in the media list will be selected (counts starts always at 0). If the current printer has less than 4 media, the first one will be selected.

Example 2:   <paper>Plain Paper</paper>

This will select media "Plain Paper". If it does not exist, the first media in the list is selected.

Example 3:   <paper idx="3" />

This select 4<sup>th</sup> media in the list. If the printer has less than 4 media, the first one is selected.

The following list references the most useful options for print configuration. The options that are not interesting to print configuration are left out. Unfortunately some of used parameters still use old ASCII-based configuration. Those are marked as undocumented.

Path	<b>modename</b>	
Description	Print color mode name	
Values	Depends on printer	
Default val.	Depends on printer. Usually the first mode that has a profile.	
Examples	<modename>CMYKcmkOG</modename>	

Path	<b>res_id</b>	
Description	Print resolution name	
Values	Depends on printer	
Default val.	Depends on printer. Usually the first resolution that is profiled.	
Attributes	idx	Resolution index (optional)
	res	Internal resolution value (optional)
Example	<res_id res="200">200x400</res_id>	

Path	<b>loading</b>	
Description	Loading selector	
Values	Depends on printer	
Default val.	Depending on printer. Usually the first loading in the list.	
Attributes	loading_id	Internal loading id (undocumented)
	in_page_id	Internal loading id (undocumented)
Example	<loading>Roll36</loading>	

Path	<b>paper</b>	
Description	Printer medium selector	
Values	Depends on printer	
Default val.	Depends on printer. Usually the first medium that has a profile.	
Attributes	idx	Medium index (optional)
Examples	<paper>Plain Paper</paper>	

Path	<b>quality</b>	
Description	Print quality selector	
Values	Depends on printer	
Default val.	Depends on printer. Usually the first quality that has a profile.	
Attributes	value	Internal quality ID (undocumented)
Examples	<quality>1 pass</quality>	

Path	action		
Description	Action selector		
Values	Idx	Value (do not use grayed values, undocumented)	
	0	PRINT	Print then discard
	1	<i>PRINT_HOLD</i>	undocumented
	2	<i>SPOOL</i>	undocumented
	3	<i>FILE</i>	undocumented
	4	REPRINT	Rip
	5	REPRINT_AND_PRINT	Print and keep ripped file
	6	REPRINT_THEN_PRINT	Rip then print
	7	REPRINT_THEN_PRINT_THEN_DELETE	Rip then print then delete ripped file
	8	NEST	Nest-O-Matik
	9	<i>SENDFILE</i>	undocumented
Default val.	PRINT		
Attributes	idx	Action index (optional)	
Examples	<action>PRINT</action>		

Path	<b>printgab/enabled</b>	
Description	Enable page templates	
Values	true	Activate page template. You must define the template size (see below)
	false	Disable page template
Default val.	false	
Examples	<pre>&lt;printgab&gt;   &lt;enabled&gt;true&lt;/enabled&gt;   ... &lt;/printgab&gt;</pre>	

Path	<b>printgab/width</b> <b>printgab/height</b>	
Description	Page template dimensions	
Value	dimensions in inches	
Default val.	0	
Attributes	unit="Inchs"	Purely informational, does not allow to select units
Examples	<pre>&lt;printgab&gt;   &lt;width&gt;8.361&lt;/width&gt;   &lt;height&gt;5.68&lt;/height&gt;   ... &lt;/printgab&gt;</pre>	

Path	<b>printgab/mg_left</b> <b>printgab/mg_top</b> <b>printgab/mg_right</b> <b>printgab/mg_bottom</b>	
Description	Page template inner margins	
Value	Margins dimensions in inches	
Default val.	0	
Attributes	unit="Inchs"	Purely informational, does not allow to select units
Examples	<pre>&lt;printgab&gt;     &lt;mg_left"&gt;0.20&lt;/mg_left&gt;     &lt;mg_top&gt;0.30&lt;/mg_top&gt;     &lt;mg_right&gt;0.15&lt;/mg_right&gt;     &lt;mg_bottom&gt;0.30&lt;/mg_bottom&gt;     ... &lt;/printgab&gt;</pre>	

Path	<b>printgab/pos_x</b> <b>printgab/pos_y</b>	
Description	Template position on the page. Do not worry about hardware margins, they are taken in account automatically.	
Value	positions in inches	
Default val.	0	
Attributes	unit="Inchs"	Purely informational, does not allow to select units
Examples	<pre>&lt;printgab&gt;     &lt;width&gt;11.69&lt;/width&gt;     &lt;height&gt;8.27&lt;/height&gt;     ... &lt;/printgab&gt;</pre>	

Path	printgab/orient		
Description	Template orientation		
Values	idx	value	
	0	AUTO	Automatic orientation
	1	VERTICAL	Portrait
	2	HORIZONTAL	Landscape
Default val.	AUTO		
Attributes	idx	Orientation index (optional)	
Examples	<printgab> <orient>HORIZONTAL</orient> ... </printgab>		

Path	<b>img/clip</b>	
Description	Enable image clipping	
Values	true	Activate image clip. The image can be positioned “out” of the page (negative position) and can be bigger than current loading.
	false	Disable image clipping
Default val.	false	
Examples	<pre>&lt;img&gt;   &lt;clip&gt;true&lt;/clip&gt;   ... &lt;/img&gt;</pre>	

Path	<b>img/w</b> <b>img/h</b>	
Description	Image dimensions	
Value	dimensions in inches	
Default val.	Dimensions if the image at scale 100%	
Attributes	unit=”Inchs”	Purely informational, does not allow to select units
Examples	<pre>&lt;img&gt;   &lt;w&gt;8.361&lt;/w&gt;   &lt;h&gt;5.68&lt;/h&gt;   ... &lt;/img&gt;</pre>	

Path	<b>img/x</b> <b>img/y</b>	
Description	Image position	
Value	Position in inches, relative to the page.	
Default val.	0	
Attributes	unit=”Inchs”	Purely informational, does not allow to select units
Examples	<pre>&lt;img&gt;   &lt;x&gt;8.361&lt;/x&gt;   &lt;y&gt;5.68&lt;/y&gt;   ... &lt;/img&gt;</pre>	

Path	<b>img/orient</b>		
Description	Image orientation		
Values	idx	value	
	0	AUTO	Automatic orientation
	1	VERTICAL	Portrait
	2	HORIZONTAL	Landscape
	3	DEFAULT	No rotation
	4	+90	Quarter of a turn clock-wise
	5	+180	Half of a turn
	6	-90	Quarter of a turn counter clock-wise
Default val.	AUTO		
Attributes	idx	Orientation index (optional)	
Examples	<pre>&lt;img&gt;     &lt;orient&gt;DEFAULT&lt;/orient&gt;     ... &lt;/img&gt;</pre>		

Path	<b>img/center</b>	
Description	Enable image centering	
Values	true	Activate image centering. Image is centered on the medium (or in the template if enabled)
	false	Disable image centering. Image position is set accordingly to img/x and img/y.
Default val.	true	
Examples	<pre>&lt;img&gt;     &lt;center&gt;true&lt;/center&gt;     ... &lt;/img&gt;</pre>	

Path	<b>img/full</b>	
Description	Enable image to be scaled to the full page (or template)	
Values	true	Scale image to be as big as possible
	false	Disable full page. Image scale is set by its dimensions (img/w, img/h) or scale options (see below)
Default val.	false	
Examples	<pre>&lt;img&gt;     &lt;full&gt;true&lt;/full&gt;     ... &lt;/img&gt;</pre>	

Path	<b>img/scale100_phys</b>	
Description	Attempt to scale the image at scale 100%	
Values	true	Set the scale to 100% if possible. The image can be smaller if the page or template are too small for it.
	false	The scale is set by image dimensions or scale options below.
Default val.	true	
Examples	<pre>&lt;img&gt;   &lt;scale100_phys&gt;true&lt;/scale100_phys&gt;   ... &lt;/img&gt;</pre>	

Path	<b>img/scale_x_phys</b> <b>img/scale_y_phys</b>	
Description	Image scale. Not used if “scale100_phys” or “full” set to true. If both image dimensions and scale are set, the scale has priority.	
Value	Scaling factor (% / 100)	
Default val.	1.0	
Examples	<pre>&lt;img&gt;   &lt;scale_x_phys&gt;0.50&lt;/scale_x_phys&gt;   &lt;scale_y_phys&gt;2.00&lt;/scale_y_phys&gt;   ... &lt;/img&gt;</pre>	

Path	<b>img/mirror</b>	
Description	Mirror the whole page horizontally.	
Values	true	Whole page is mirrored horizontally.
	false	The page is printed normally.
Default val.	false	
Examples	<pre>&lt;img&gt;   &lt;mirror&gt;true&lt;/mirror&gt;   ... &lt;/img&gt;</pre>	



Path	<b>img/keep_ratio</b>	
Description	Toggles preserving the image dimensions ratio, as defined by the image dimensions or scale.	
Values	true	Keep ratio
	false	Allow the ratio to vary if needed (for example when full=true with page template)
Default val.	true	
Examples	<pre>&lt;img&gt;   &lt;keep_ratio&gt;true&lt;/keep_ratio&gt;   ... &lt;/img&gt;</pre>	

Path	<b>img/page_from</b> <b>img/page_to</b>	
Description	Define which pages will be printed with multipage documents. Not used if “allpages” = true	
Value	Page number (starting at 1)	
Default val.	1	
Examples	<pre>&lt;img&gt;   &lt;page_from&gt;1&lt;/page_from&gt;   &lt;page_to&gt;3&lt;/page&gt;   ... &lt;/img&gt;</pre>	

Path	<b>img/allpages</b>	
Description	Force printing all pages with multipage documents	
Values	true	Print all pages. Ignore “page_from” and “page_to”.
	false	Print pages as defined by “page_from” and “page_to”.
Default val.	true	
Examples	<pre>&lt;img&gt;   &lt;allpages&gt;true&lt;/allpages&gt;   ... &lt;/img&gt;</pre>	

Path	<b>in_page/mg_left</b> <b>in_page/mg_top</b> <b>in_page/mg_right</b> <b>in_page/mg_bottom</b>	
Description	Page margins. Do not worry about hardware margins, they are respected automatically.	
Value	Margin dimensions in inches	
Default val.	0	
Attributes	unit="Inchs"	Purely informational, does not allow to select units
Examples	<pre>&lt;in_page&gt;     &lt;mg_left"&gt;0.20&lt;/mg_left&gt;     &lt;mg_top&gt;0.30&lt;/mg_top&gt;     &lt;mg_right&gt;0.15&lt;/mg_right&gt;     &lt;mg_bottom&gt;0.30&lt;/mg_bottom&gt;     ... &lt;/in_page&gt;</pre>	

Path	nesting_mode		
Description	Step&Repeat mode		
Values	idx	value	
	0	METHOD_NOSR	No S&R (Unused since 9.10)
	1	METHOD_FULLSR	Full S&R. Use “nb_copies” to set occurrences to nest in one job.
	2	METHOD_AUTO	Auto S&R. Use “nb_copies” to determine automatically values of “nb_copies_sr” and “nb_pages_sr”. Note that the number of printed copies can differ from “nb_copies”.
	3	METHOD_CUSTOM	Manual S&R. Use “nb_copies_sr” and “nb_pages_sr”
Default val.	METHOD_AUTO (from 9.10) METHOD_NOSR (before 9.10)		
Attributes	idx	Orientation index (optional)	
Examples	<nesting_mode>METHOD_FULLSR</nesting_mode>		

Path	<b>nb_copies</b>		
Description	Number of copies to print.		
Value	Number of copies		
Default val.	1		
Examples	<nb_copies>3</nb_copies>		

Path	<b>nb_copies_sr</b>
Description	Number of copies to nest in one page when nesting_mode = METHOD_CUSTOM. Total number of printed copies will be (nb_copies_sr * nb_pages_sr)
Value	Number of copies
Default val.	1
Examples	<nb_copies_sr>3</nb_copies_sr>

Path	<b>nb_pages_sr</b>
Description	Number of pages to print when nesting_mode = METHOD_CUSTOM. Total number of printed copies will be “nb_copies_sr” x “nb_pages_sr”. It will lead to “nb_pages_sr” jobs, each with “nb_copies_sr” nested images.
Value	Number of pages
Default val.	1
Examples	<nb_pages_sr>4</nb_pages_sr>

Path	nest_rows	
Description	Toggles Step&Repeat mode that creates independent rows	
Values	true	Create layout with independent rows
	false	Create full-featured nesting layout
Default val.	false	
Examples	<nest_rows>true</nest_rows>	

Path	<b>nesting_margin</b>
Description	Margin to apply between occurrences of image in Step&Repeat
Value	Margin size in inches
Default val.	0
Examples	<nesting_margin>0.25</nesting_margin>

Path	<b>print_only_if_100</b>	
Description	Before 9.10: Prevents printing if the scale is not 100% After 9.10: Prevents printing if the scale is different from value specified by <code>&lt;print_only_if_value&gt;</code>	
Values	true	Generate an error if the image would be printed with different scale than expected
	false	No scale check
Default val.	false	
Examples	<code>&lt;print_only_if_100&gt;true&lt;/print_only_if_100&gt;</code>	

Path	<b>print_only_if_value</b>	
Description	New in 9.10: Specifies the scale value the user wants to print with (only if <code>&lt;print_only_if_100&gt;</code> is true)	
Values	Scale in %	
Default val.	100	
Examples	<code>&lt;print_only_if_value&gt;100&lt;/print_only_if_value&gt;</code>	

Path	<b>cropmarks/cm_enable</b>	
Description	Enables printing crop marks. The marks are activated independently (see below)	
Values	true	Print crop marks, as defined by other “cropmarks/*” values.
	false	Do not print crop marks. Ignores all other “cropmarks/*” values.
Default val.	false	
Examples	<pre> &lt;cropmarks&gt;   &lt;cm_enable&gt;true&lt;/cm_enable&gt;   ... &lt;/cropmarks&gt; </pre>	

Path	<b>cropmarks/cm_standard</b> <b>cropmarks/cm_frame</b> <b>cropmarks/cm_corner</b> <b>cropmarks/cm_tombo</b> <b>cropmarks/cm_target</b> <b>cropmarks/cm_date</b> <b>cropmarks/cm_filename</b> <b>cropmarks/cm_page_number</b>	
Description	Controls generation of different crop marks items.	
Values	true	Generate given crop mark.
	false	Do not generate given crop mark.
Default val.	false	
Examples	<pre>&lt;cropmarks&gt;   &lt;cm_standard&gt;true&lt;/cm_standard&gt;   &lt;cm_frame&gt;false&lt;/cm_frame&gt;   ... &lt;/cropmarks&gt;</pre>	

Path	<b>cropmarks/cm_margin_inch</b>	
Description	Margin to apply between the image and the crop marks. The margin is the same on all 4 sides.	
Value	Margin size in inches	
Default val.	0	
Attributes	unit="Inchs"	Purely informational, does not allow to select units
Examples	<pre>&lt;cropmarks&gt;   &lt;cm_margin_inch&gt;0.25&lt;/cm_margin_inch&gt; &lt;/cropmarks&gt;</pre>	

Path	<b>cropmarks/cm_bleed_inch</b>	
Description	Bleeding to apply when generating the crop marks.	
Value	Bleeding size in inches	
Default val.	0	
Attributes	unit="Inchs"	Purely informational, does not allow to select units
Examples	<pre>&lt;cropmarks&gt;   &lt;cm_bleed_inch&gt;0.25&lt;/cm_bleed_inch&gt; &lt;/cropmarks&gt;</pre>	

Path	<b>cropmarks/use_cm_thickness</b>	
Description	New in 9.20: Allows to use user defined cropmarks thickness (as defined by <cm_width_inch>)	
Values	true	Use cm_widht_inch as thickness for the cropmarks lines
	false	All cropmark lines are printed 1 pixel wide
Default val.	false	

Path	<b>cropmarks/cm_width_inch</b>	
Description	New in 9.20: Set the cropmark line width (thickness) if use_cm_thickness is true.	
Value	Cropmark line width (thickness) in inches	
Default val.	0	
Attributes	unit="Inchs"	Purely informational, does not allow to select units
Examples	<pre>&lt;cropmarks&gt;   &lt;cm_width_inch&gt;0.01&lt;/cm_width_inch&gt; &lt;/cropmarks&gt;</pre>	

Path	<b>cropmarks/cm_length_inch</b>	
Description	New in 9.20: Set the cropmark line length. This affect also additional space around the image (if required by selected cropmarks). Before 9.20 this was fixed to 0.25 inch.	
Value	Cropmark line length in inch	
Default val.	0.25	
Attributes	unit="Inchs"	Purely informational, does not allow to select units
Examples	<pre>&lt;cropmarks&gt;   &lt;cm_length_inch&gt;0.25&lt;/cm_length_inch&gt; &lt;/cropmarks&gt;</pre>	

Path	<b>cropmarks/cm_free_text</b>	
Description	Text to be displayed in the crop marks area on the bottom of the image.	
Value	Text	
Default val.	empty	
Examples	<pre>&lt;cropmarks&gt;   &lt;cm_free_text&gt;This is a comment&lt;/cm_free_text&gt; &lt;/cropmarks&gt;</pre>	

Path	<b>enable_nestoba</b>	
Description	Enables the Nest-O-Ba feature.	
Values	true	Enable Nest-O-Ba
	false	Disable Nest-O-Ba
Default val.	false	

Path	<b>nbafile</b>	
Description	UNDOCUMENTED. Nest-o-Ba configuration data	

Path	<b>cartouche/enable</b>	
Description	Activates printing of annotations below the image.	
Values	true	Enables annotations
	false	Disables annotations
Default val.	false	
Examples	<pre>&lt;cartouche&gt;   &lt;enable&gt;true&lt;/enable&gt;   ... &lt;/cartouche&gt;</pre>	

Path	<b>cartouche/height</b>	
Description	Height of the annotation area.	
Value	Height in inches	
Default val.	0.90	
Attributes	unit="Inchs"	Purely informational, does not allow to select units
Examples	<pre>&lt;cartouche&gt;   &lt;height&gt;1.20&lt;/height&gt; &lt;/cartouche&gt;</pre>	

Path	<b>cartouche/textheight</b>	
Description	Height of annotation font.	
Value	Font height in inches	
Default val.	0.079	
Attributes	unit="Inchs"	Purely informational, does not allow to select units
Examples	<pre>&lt;cartouche&gt;   &lt;textheight&gt;0.10&lt;/textheight&gt; &lt;/cartouche&gt;</pre>	

Path	<b>cartouche/text</b>	
Description	Additional text to be displayed in the annotation zone.	
Value	Text	
Default val.	empty	
Examples	<pre>&lt;cartouche&gt;   &lt;text&gt;This is a comment&lt;/text&gt; &lt;/cartouche&gt;</pre>	

Path	<b>cartouche/full</b>	
Description	Toggles displaying more details in the annotations.	
Values	true	Enables more detail
	false	Disables more detail
Default val.	false	
Examples	<pre>&lt;cartouche&gt;   &lt;full&gt;true&lt;/full&gt; &lt;/cartouche&gt;</pre>	

Path	<b>logo_annot/enabled</b>	
Description	Activates logo in annotation. <b>New in 9.10</b>	
Values	true	Enables the logo
	false	Disables the logo
Default val.	false	
Examples	<pre>&lt;logo_annot&gt;   &lt;enabled&gt;true&lt;/enabled&gt;   ... &lt;/logo_annot&gt;</pre>	

Path	<b>logo_annot/match_annot</b>	
Description	<b>New in 9.10.</b> Switches between using a scale for the logo or matching the annotation size (old behavior)	
Values	true	Logo will match the annotation height (old behavior before 9.10)
	false	Logo will be printed at the scale defined by logo_annot/scale.
Default val.	true	
Examples	<pre>&lt;logo_annot&gt;   &lt;match_annot&gt;false&lt;/match_annot&gt;   &lt;scale&gt;1.00&lt;/scale&gt;   .... &lt;/logo_annot&gt;</pre>	

Path	<b>logo_annot/scale</b>	
Description	<b>New in 9.10.</b> Set the scale of the logo (if match_annot is false).	
Value	Scale ratio (1.00 = 100%)	
Default val.	1.0	
Examples	<pre>&lt;logo_annot&gt;   &lt;match_annot&gt;false&lt;/match_annot&gt;   &lt;scale&gt;1.00&lt;/scale&gt;   .... &lt;/logo_annot&gt;</pre>	



Path	logo_annot/position		
Description	New in 9.10. Position of the logo relatively to the annotations.		
Values	idx	value	
	0	LEFT	Logo is left to annotations
	1	ABOVE	Logo is above annotations
Default val.	LEFT		
Attributes	idx	Position index (optional)	
Examples	<logo_annot> <position>ABOVE</position> </logo_annot>		

Path	<b>logo_annot/path</b>		
Description	Logo image (ImageData_t) UNDOCUMENTED. <b>New in 9.10</b>		

Path	logo_annot/use_target	
Description	New in 9.10. Enables printing of a standards target instead of a custom logo image.	
Values	true	A Standards target will be printed as defined by logo_annot/target.
	false	Custom image is printed as logo as defined by logo_annot/path
Default val.	false	
Examples	<pre>&lt;logo_annot&gt;     &lt;use_target&gt;true&lt;/use_target&gt;     &lt;target&gt;Barbieri Spectro LFP: Caldera Control Strip for 8mm aperture&lt;/target&gt;     .... &lt;/logo_annot&gt;</pre>	

Path	<b>logo_annot/target</b>		
Description	<b>New in 9.10.</b> If a target is used (use_target = true), defines the target name to be printed.		
Value	The name of the target		
Default val.	(none)		
Examples	<pre>&lt;logo_annot&gt;   &lt;use_target&gt;true&lt;/use_target&gt;   &lt;target&gt;Barbieri Spectro LFP: Caldera Control Strip for 8mm aperture&lt;/target&gt;   .... &lt;/logo_annot&gt;</pre>		

Path	mark_setup/colortype		
Description	Marks color setup		
Values	idx	value	
	0	PUREBLACK	Marks are printed using black ink only
	1	COMPBLACK	Marks are printed as composite black
	2	CUSTOM	Marks are printed using custom color
Default val.	PUREBLACK		
Attributes	idx	Value index (optional)	
Examples	<mark_setup> <colortype>COMPBLACK</colortype> </mark_setup>		

Path	<b>mark_setup/color</b>		
Description	Custom marks color definition (Color_t). UNDOCUMENTED		

Path	<b>enable_cut</b>	
Description	Activates cutting	
Values	true	Enables cutting
	false	Disables cutting
Default val.	false	

Path	<b>cutfile</b>	
Description	UNDOCUMENTED. Cutting configuration data. (Obsolete from 9.20)	

Path	<b>color_mngmt</b>	
Description	Color management configuration. UNDOCUMENTED	

Path	<b>colorbar/enabled</b>	
Description	Activates color bars	
Values	true	Enables color bars
	false	Disables color bars
Default val.	false	
Examples	<pre>&lt;colorbar&gt;   &lt;enabled&gt;true&lt;/enabled&gt;   ... &lt;/colorbar&gt;</pre>	

Path	colorbar/placement		
Description	Sets color bar placement style		
Values	idx	value	
	0	PAGE	Fixed bars at the edge of the page
	1	IMAGE	Bars attached to the image
Default val.	PAGE		
Attributes	idx	Value index (optional)	
Examples	<pre>&lt;colorbar&gt;     &lt;placement&gt;IMAGE&lt;/placement&gt; &lt;/colorbar&gt;</pre>		

Path	colorbar/side		
Description	Sets color bar placement style		
Values	idx	value	
	1	LEFT	Bars on the left of page/image
	2	RIGHT	Bars on the right of page/image
	3	BOTH	Bars on both sides of page/image
Default val.	LEFT		
Attributes	idx	Value index (optional). Warning, the index start at 1	
Examples	<pre>&lt;colorbar&gt;     &lt;side&gt;BOTH&lt;/side&gt; &lt;/colorbar&gt;</pre>		

Path	<b>colorbar/width</b> <b>colorbar/space</b>	
Description	Sets total width of the colorbar (“colorbar/width”) and the offset to the image area (“colorbar/space”).	
Value	Dimensions in inches.	
Default val.	0.394 (may depend on the printer)	
Attributes	unit=”Inchs”	Purely informational, does not allow to select units
Examples	<pre>&lt;colorbar&gt;     &lt;width&gt;0.60&lt;/width&gt;     &lt;space&gt;1.5&lt;/width&gt; &lt;/colorbar&gt;</pre>	

Path	<b>colorcorrections</b>		
Description	UNDOCUMENTED. Color corrections configuration data		

Path	<b>InkOptimizer</b>	
Description	UNDOCUMENTED. InkPerformer configuration data	

Path	<b>collate/enabled</b>	
Description	<b>New in 9.10.</b> Enables multi-page collate feature	
Values	true	Enables page collate (1,2,3,...,1,2,3...)
	false	Disables page collate (1,1,2,2,3,3...)
Default val.	false	
Examples	<pre>&lt;collate&gt;   &lt;enabled&gt;true&lt;/enabled&gt;   ... &lt;/collate&gt;</pre>	

Path	<b>collate/invorder</b>	
Description	<b>New in 9.10.</b> Inverses the page order	
Values	true	Inverse pages (4,3,2,1)
	false	Do not inverse (1,2,3,4)
Default val.	false	
Examples	<pre>&lt;collate&gt;   &lt;invorder&gt;true&lt;/invorder&gt;   ... &lt;/collate&gt;</pre>	

Path	<b>step_repeat/enable</b>	
Description	<b>New in 9.10.</b> Enables Step&Repeat feature	
Values	true	S&R enabled
	false	S&R disabled
Default val.	false	
Examples	<pre>&lt;step_repeat&gt;   &lt;enable&gt;true&lt;/enable&gt;   ... &lt;/step_repeat&gt;</pre>	

Path	step_repeat/type		
Description	New in 9.10. Define the type of Step&Repeat		
Values	idx	value	
	0	STANDARD	Standard rectangular nesting
	1	TEXTILE	Textile pattern step&repeat
	2	TRUESHAPE	New in 9.20. Contour nesting.
Default val.	STANDARD		
Attributes	idx	Value index (optional).	
Examples	<step_repeat> <type>TEXTILE</type> ... </step_repeat>		

Path	<b>step_repeat/textile</b> <b>step_repeat/trueshape</b>		
Description	Specific parameters for textile ( <b>from 9.10</b> ) and contour nesting ( <b>from 9.20</b> ) step&repeat. Parameter description available upon request.		

Path	<b>cut</b>		
Description	<b>New in 9.20.</b> Specific parameters for cutting. Parameter description available upon request.		

Path	<b>spec_config</b>		
Description	UNDOCUMENTED. Printer specific configuration data		