

Documentation of the UJAC print module's XML tag set.

<add-column> tag

Defines a column for the surrounding table.

supported attributes:

- id:** The unique identifier of the item.
- name:** The name of the column to add.
- type:** The data type to use for this column.
Legal values are: 'int', 'float', 'long', 'double', 'String', 'Date', 'Time', 'Timestamp', 'Object'

supported child tags:

<add-row> tag

Adds a row to the specified table.

supported attributes:

- distinct:** Tells whether or not to allow duplicates.
- id:** The unique identifier of the item.
- table:** The name of the table to modify.

supported child tags:

[<set-field>](#)

<alter-column> tag

Alters a column at the surrounding <print-table> tag.

supported attributes:

- halign:** Defines the horizontal alignment (left|right|center).
Aliases: 'align'
- halign:** Defines the horizontal alignment (left|right|center).
Aliases: 'align'
- id:** The unique identifier of the item.
- name:** The column name.
- title:** The column title.
- width:** The column width.

supported child tags:

<anchor> tag

Adds an anchor to the document.

supported attributes:

- class:** The name of the style class to use (see style-def tag).
- font:** The name of the font definition to use.
- id:** The unique identifier of the item.
- name:** The anchor name.
- reference:** The anchor reference.
- rendered:** Rules, whether or not the given element is actually rendered.
- style:** The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- font-color:** The font color.
- font-encoding:** The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.
Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'
- font-family:** The font family.
Aliases: 'family'
- font-family:** The font family.
Aliases: 'family'
- font-name:** The name of the font definition.
- font-size:** The font size.
- font-style:** For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.

supported child tags:

<annotation> tag

Adds an annotation to the document.

supported attributes:

- id:** The unique identifier of the item.
- rendered:** Rules, whether or not the given element is actually rendered.
- title:** The title of the annotation.

supported child tags:

<assert> tag

Tests the given condition and throws an exception in case the result isn't true.

supported attributes:

cond: The condition to test, this may be a boolean constant, but will mostly be an expression.

id: The unique identifier of the item.

supported child tags:

<attribute> tag

Specifies an attribute for the enclosing custom tag definition.

supported attributes:

id: The unique identifier of the item.

name: The name of the attribute to set.

value: The attribute value.

supported child tags:

 tag

Changes the document font by adding the 'bold' attribute to the current font.

supported attributes:

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

trim-body: Tells whether to trim the body or not, default behaviour is not to trim the contents of the tag's body.

supported child tags:

[<add-row>](#), [<assert>](#), [](#), [
](#), [<cell>](#), [<define-table>](#), [<else>](#), [](#), [<footer>](#), [<foreach>](#), [<header>](#), [<i>](#), [<if>](#), [<import>](#), [<index>](#), [<log>](#), [<macro>](#), [<new-page>](#), [<p>](#), [<paragraph>](#), [<phrase>](#), [<print-table>](#), [<set-property>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<table-header>](#), [<td>](#), [<th>](#), [<toc>](#), [<u>](#)

<background-image> tag

Inserts a image into the document. Images may be places absolutely on the page or relative to its parent item. The image gets loaded by the resource loader, which is specified at the document handler.

supported attributes:

- class:** The name of the style class to use (see style-def tag).
- halign:** The image's horizontal alignment (left|right|center).
Aliases: 'align'
- halign:** The image's horizontal alignment (left|right|center).
Aliases: 'align'
- height:** The image height, if no width is given, the image width is scaled with the same factor to keep the image proportions.
- id:** The unique identifier of the item.
- page:** The page from the source to use as image, this is currently only supported for PDF documents.
- rendered:** Rules, whether or not the given element is actually rendered.
- rotate:** The rotation angle.
- scale-to-fit:** Tells whether to scale the image to fit the given width and height by keeping the original aspect ratio.
- source:** The image source can be the path to the image to load via ResourceLoader or an expression that resolves to an java.awt.Image or an com.lowagie.text.Image instance.
- style:** The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign:** The image's vertical alignment (top|bottom|middle).
- width:** The image width, if no height is given, the image height is scaled with the same factor to keep the image proportions.
 - x:** The horizontal position, needed for absolute positioning. In case you've specified a negative value, the image will be placed relative to the right page border
 - y:** The vertical position, needed for absolute positioning. In case you've specified a negative value, the image will be placed relative to the top page border

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- horizontal-align:** Defines the horizontal alignment (left|right|center).
- image-height:** The image height, if no width is given, the image width is scaled with the same factor to keep the image proportions.
- image-scale-to-fit:** Tells whether to scale the image to fit the given width and height by keeping the original aspect ratio.
- image-width:** The image width, if no height is given, the image height is scaled with the same factor to keep the image proportions.
- image-x:** The horizontal position, needed for absolute positioning. In case you've specified a negative value, the image will be placed relative to the right page border
- image-y:** The vertical position, needed for absolute positioning. In case you've specified a negative value, the image will be placed relative to the top page border
- vertical-align:** Defines the vertical alignment (top|bottom|middle).

supported child tags:

<barcode> tag

Prints a barcode.

supported attributes:

bar-color: The bar color.

bar-height: The height of a bar.

bar-width: The width of one single bar.

baseline: If positive the text distance above the bars, if negative, the text distance below the bars.

font: The name of the font to use for the barcode label.

generate-checksum: The flag deciding, whether to generate a checksum or not.

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

rotate: The rotation flag.

start-stop-text: The start-stop text flag.

text-color: The color of the text below the bar.

type: The barcode type.

Legal values are: 'CODABAR', 'CODE39', 'CODE39EXT', 'INTER25', 'CODE128', 'CODE128UCC', 'CODE128RAW', 'EAN13', 'EAN8', 'PLANET', 'POSTNET', 'SUPP2', 'SUPP5', 'UPCA', 'UPCE'

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

bar-color: The bar color.

bar-height: The height of a bar.

bar-width: The width of one single bar.

font: The name of the font to use for the barcode label.

text-color: The color of the text below the bar.

supported child tags:

<barcode-pdf-417> tag

Prints a 2d PDF barcode (PDF-417). The tag content defines the text, that will form the barcode.

supported attributes:

aspect-ratio: The barcode aspect ratio.

code-columns: The number of barcode data columns.

code-rows: The number of barcode data rows.

error-level: The error level correction used for the barcode.

height: The image height, if no width is given, the image width is scaled with the same factor to keep the image proportions.

id: The unique identifier of the item.

len-codewords: The length of the codewords.

macro-file-id: The File ID for macro PDF417 encoding.

macro-segment-count: The segment count for macro PDF417 encoding.

options: The encodation type.

Legal values are: 'USE_ASPECT_RATIO', 'FIXED_RECTANGLE', 'FIXED_COLUMNS', 'FIXED_ROWS', 'AUTO_ERROR_LEVEL', 'USE_ERROR_LEVEL', 'FORCE_BINARY', 'INVERT_BITMAP', 'USE_MACRO'

rendered: Rules, whether or not the given element is actually rendered.

width: The image width, if no height is given, the image height is scaled with the same factor to keep the image proportions.

y-height: The Y pixel height relative to X. This is usually 3.

supported child tags:

<box> tag

Places a text box at a fix position on the current page.

supported attributes:

- bgcolor***: Defines the background color.
- border-color***: Defines the border color.
- border-style***: Defines the border type.
- border-width***: Defines the border width.
- class***: The name of the style class to use (see style-def tag).
- colspan***: The column span of the cell.
- fill-row***: Tells whether or not to fill up the current table row.
- font***: The name of the font definition to use.
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- height***: The height of the box.
- id***: The unique identifier of the item.
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- no-wrap***: The no wrap flag.
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- rendered***: Rules, whether or not the given element is actually rendered.
- rotate***: The rotation angle of the box.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign***: Defines the vertical alignment (top|bottom|middle).
- width***: The width of the box.
 - x***: The horizontal position of the box. In case you've specified a negative value, the box will be placed relative to the right page border
 - y***: The vertical position of the box. In case you've specified a negative value, the box will be placed relative to the top page border

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color***: Defines the background color.
- border-bottom-color***: Sets the color of the bottom border.
- border-bottom-width***: Sets the width of the bottom border.
- border-color***: Defines the border color.
- border-left-color***: Sets the color of the left border.
- border-left-width***: Sets the width of the left border.
- border-right-color***: Sets the color of the right border.
- border-right-width***: Sets the width of the right border.
- border-style***: Defines the border type.

- border-top-color***: Sets the color of the top border.
- border-top-width***: Sets the width of the top border.
- border-width***: Defines the border width.
- cell-height***: Defines a fixed height for the nested cells.
- font-name***: The name of the font definition.
- height***: The height of the box.
- horizontal-align***: Defines the horizontal alignment (left|right|center).
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- no-wrap***: The no wrap flag.
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- rotate***: The rotation angle of the box.
- vertical-align***: Defines the vertical alignment (top|bottom|middle).
- width***: The width of the box.
 - x***: The horizontal position of the box. In case you've specified a negative value, the box will be placed relative to the right page border
 - y***: The vertical position of the box. In case you've specified a negative value, the box will be placed relative to the top page border

supported child tags:

[<anchor>](#), [](#), [<barcode>](#), [<barcode-pdf-417>](#), [
](#), [<cell>](#), [<chart>](#), [<check-box>](#), [<combo-box>](#), [<datamatrix>](#), [<date-format>](#), [<else>](#), [](#), [<foreach>](#), [<hidden-field>](#), [<i>](#), [<if>](#), [<image>](#), [<import>](#), [<list>](#), [<log>](#), [<macro>](#), [<number-format>](#), [<outline>](#), [<p>](#), [<paragraph>](#), [<phrase>](#), [<post-button>](#), [<print-table>](#), [<radio-button>](#), [<radio-group>](#), [<reset-button>](#), [<select-list>](#), [<space>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<td>](#), [<text-field>](#), [<u>](#)

 tag

Adds a linefeed to its parent item.

supported child tags:

<case> tag

Conditional item, which evaluates its content in case the given value matches the value of the surrounding 'switch' tag.

supported attributes:

- id***: The unique identifier of the item.
- trim-body***: Tells whether to trim the body or not, default behaviour is not to trim the contents of the tag's body.
- value***: The attribute value.

supported child tags:

<cell> tag

Adds a cell to its surrounding table or surrounding cell.

supported attributes:

- bgcolor***: Defines the background color.
- border-color***: Defines the border color.
- border-style***: Defines the border type.
- border-width***: Defines the border width.
- class***: The name of the style class to use (see style-def tag).
- colspan***: The column span of the cell.
- fill-row***: Tells whether or not to fill up the current table row.
- font***: The name of the font definition to use.
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- height***: Defines a fixed height for the nested cells.
- id***: The unique identifier of the item.
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- no-wrap***: The no wrap flag.
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- rendered***: Rules, whether or not the given element is actually rendered.
- rotate***: The rotation angle of the cell.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign***: Defines the vertical alignment (top|bottom|middle).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color***: Defines the background color.
- border-bottom-color***: Sets the color of the bottom border.
- border-bottom-width***: Sets the width of the bottom border.
- border-color***: Defines the border color.
- border-left-color***: Sets the color of the left border.
- border-left-width***: Sets the width of the left border.
- border-right-color***: Sets the color of the right border.
- border-right-width***: Sets the width of the right border.
- border-style***: Defines the border type.
- border-top-color***: Sets the color of the top border.
- border-top-width***: Sets the width of the top border.
- border-width***: Defines the border width.
- cell-height***: Defines a fixed height for the nested cells.

font-color: The font color.

font-encoding: The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.

Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'

font-family: The font family.

Aliases: *'family'*

font-family: The font family.

Aliases: *'family'*

font-name: The name of the font definition.

font-size: The font size.

font-style: For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.

horizontal-align: Defines the horizontal alignment (left|right|center).

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

no-wrap: The no wrap flag.

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

rotate: The rotation angle of the cell.

vertical-align: Defines the vertical alignment (top|bottom|middle).

supported child tags:

[<anchor>](#), [](#), [<barcode>](#), [<barcode-pdf-417>](#), [
](#), [<cell>](#), [<chart>](#), [<check-box>](#), [<combo-box>](#), [<datamatrix>](#), [<date-format>](#), [<else>](#), [](#), [<foreach>](#), [<hidden-field>](#), [<i>](#), [<if>](#), [<image>](#), [<import>](#), [<list>](#), [<log>](#), [<macro>](#), [<number-format>](#), [<outline>](#), [<p>](#), [<paragraph>](#), [<phrase>](#), [<post-button>](#), [<print-table>](#), [<radio-button>](#), [<radio-group>](#), [<reset-button>](#), [<select-list>](#), [<space>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<td>](#), [<text-field>](#), [<u>](#)

<cell-block> tag

Declares a range of cells which have to be printed at once, If this block doesn't fit into the current page, a new page is stated before printing the block.

supported attributes:

bgcolor: Defines the background color.

border-color: Defines the border color.

border-style: Defines the border type.

border-width: Defines the border width.

class: The name of the style class to use (see style-def tag).

font: The name of the font definition to use.

halign: Defines the horizontal alignment (left|right|center).

Aliases: '*align*'

halign: Defines the horizontal alignment (left|right|center).

Aliases: '*align*'

id: The unique identifier of the item.

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

rendered: Rules, whether or not the given element is actually rendered.

style: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').

valign: Defines the vertical alignment (top|bottom|middle).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

background-color: Defines the background color.

border-bottom-color: Sets the color of the bottom border.

border-bottom-width: Sets the width of the bottom border.

border-color: Defines the border color.

border-left-color: Sets the color of the left border.

border-left-width: Sets the width of the left border.

border-right-color: Sets the color of the right border.

border-right-width: Sets the width of the right border.

border-style: Defines the border type.

border-top-color: Sets the color of the top border.

border-top-width: Sets the width of the top border.

border-width: Defines the border width.

font-color: The font color.

font-encoding: The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.
Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'

font-family: The font family.

Aliases: 'family'

font-family: The font family.

Aliases: 'family'

font-name: The name of the font definition.

font-size: The font size.

font-style: For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.

horizontal-align: Defines the horizontal alignment (left|right|center).

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

vertical-align: Defines the vertical alignment (top|bottom|middle).

supported child tags:

[](#), [<cell>](#), [<else>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<log>](#), [<macro>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<td>](#), [<u>](#)

<chapter> tag

Adds a chapter to the document.

supported attributes:

- class:** The name of the style class to use (see style-def tag).
- font:** The name of the font definition to use for the chapter contents.
- id:** The unique identifier of the item.
- indentation:** The indentation of the content.
- leading:** The fixed vertical leading distance.
- line-spacing:** The line spacing factor for contents (is 1.2).
- number:** The number of the chapter.
- number-depth:** The numbering depth.
- number-style:** The style of the chapter number: 0 = trailing dot, 1 = no trailing dot
- rendered:** Rules, whether or not the given element is actually rendered.
- spacing-after:** The vertical spacing after the items.
- spacing-before:** The vertical spacing before the items.
- style:** The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- title:** The title of the chapter.
- title-font:** The font to use for the chapter title output.
- toc-relevance:** Defined the relevance of the item for the table of contents or index of the document.
Legal values are: 'toc', 'index', 'all'

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- font-name:** The name of the font definition to use for the chapter contents.
- indentation:** The indentation of the content.
- leading:** The fixed vertical leading distance.
- line-spacing:** The line spacing factor for contents (is 1.2).
- number-style:** The style of the chapter number: 0 = trailing dot, 1 = no trailing dot
- spacing-after:** The vertical spacing after the items.
- spacing-before:** The vertical spacing before the items.
- title-font:** The font to use for the chart title rendering.
- toc-relevance:** Defined the relevance of the item for the table of contents or index of the document.
Legal values are: 'toc', 'index', 'all'

supported child tags:

[<add-row>](#), [<anchor>](#), [<annotation>](#), [<assert>](#), [](#), [<barcode>](#), [<barcode-pdf-417>](#), [
](#), [<chapter>](#), [<chart>](#), [<datamatrix>](#), [<define-table>](#), [<else>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<image>](#), [<import>](#), [<list>](#), [<log>](#), [<macro>](#), [<new-page>](#), [<outline>](#), [<p>](#), [<paragraph>](#), [<phrase>](#), [<section>](#), [<set-property>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<u>](#)

<chart> tag

Places a chart into the document.

supported attributes:

- class:** The name of the style class to use (see style-def tag).
- draw-foreground:** Tells whether to draw the image in the foreground or in the background.
- halign:** The image's horizontal alignment (left|right|center).
Aliases: *'align'*
- halign:** The image's horizontal alignment (left|right|center).
Aliases: *'align'*
- height:** The image height, if no width is given, the image width is scaled with the same factor to keep the image proportions.
- id:** The unique identifier of the item.
- instance:** An expression, resolving to a chart instance.
- padding:** Defines the padding for all border edges.
- padding-bottom:** Defines the bottom padding.
- padding-left:** Defines the left padding.
- padding-right:** Defines the right padding.
- padding-top:** Defines the top padding.
- page:** The page from the source to use as image, this is currently only supported for PDF documents.
- rendered:** Rules, whether or not the given element is actually rendered.
- rotate:** The image rotation angle.
- scale-to-fit:** Tells whether to scale the image to fit the given width and height by keeping the original aspect ratio.
- style:** The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- textwrap:** The text wrap flag.
- title:** The title of the chart.
Deprecated: Use text-chart-item named 'title' instead.
- title-font:** The font to use for the chart title rendering.
Deprecated: Use text-chart-item named 'title' instead.
- type:** The chart type, currently supported types are 'line-2d', 'bar-2d', 'pie-2d', 'pie-3d' and 'donut-3d'.
- underlying:** The underlying flag.
- valign:** The image's vertical alignment (top|bottom|middle).
- width:** The image width, if no height is given, the image height is scaled with the same factor to keep the image proportions.
- x:** The horizontal position, needed for absolute positioning. In case you've specified a negative value, the image will be placed relative to the right page border
- y:** The vertical position, needed for absolute positioning. In case you've specified a negative value, the image will be placed relative to the top page border

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- draw-foreground:** Tells whether to draw the image in the foreground or in the background.
- image-height:** The image height, if no width is given, the image width is scaled with the same factor to keep the image proportions.
- image-horizontal-align:** The image's horizontal alignment (left|right|center).

image-scale-to-fit: Tells whether to scale the image to fit the given width and height by keeping the original aspect ratio.

image-vertical-align: The image's vertical alignment (top|bottom|middle).

image-width: The image width, if no height is given, the image height is scaled with the same factor to keep the image proportions.

image-x: The horizontal position, needed for absolute positioning. In case you've specified a negative value, the image will be placed relative to the right page border

image-y: The vertical position, needed for absolute positioning. In case you've specified a negative value, the image will be placed relative to the top page border

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

rotate: The image rotation angle.

textwrap: The text wrap flag.

title-font: The font to use for the chart title rendering.

type: The chart type, currently supported types are 'line-2d', 'bar-2d', 'pie-2d', 'pie-3d' and 'donut-3d'.

underlying: The underlying flag.

supported child tags:

[<else>](#), [<foreach>](#), [<if>](#), [<log>](#), [<parameter>](#), [<switch>](#), [<text-chart-item>](#)

<check-box> tag

Adds a check box to the documents AcroForm.

supported attributes:

bgcolor: Defines the background color.

border-color: Defines the border color.

border-type: The field's border type.

Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'

border-width: Defines the border width.

class: The name of the style class to use (see style-def tag).

font: The name of the font definition to use.

height: The field's height.

id: The unique identifier of the item.

name: The field name.

rendered: Rules, whether or not the given element is actually rendered.

status: The initial status (true/false).

style: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').

value: The field's value.

width: The field's width.

x: The field's horizontal position on the current page.

y: The field's vertical position on the current page.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

background-color: Defines the background color.

border-color: Defines the border color.

border-type: The field's border type.

Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'

border-width: Defines the border width.

font-name: The name of the font definition.

height: The field's height.

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

width: The field's width.

x: The field's horizontal position on the current page.

y: The field's vertical position on the current page.

supported child tags:

[<javascript>](#)

<color-def> tag

Defines a logical color for the document. This defined color can be used by every tag, which defines a color attribute.

supported attributes:

color-space: The name of the color space.

Legal values are: 'RGB', 'sRGB', 'LINEAR_RGB', 'GRAY', 'CIEXYZ', 'PYCC', 'CMYK'

id: The unique identifier of the item.

name: The name of the color definition.

spot-color: Tells whether or not to define the color as a SpotColor or Pantone Color.

value: The values of the color components in comma separated form. The values can be entered in three forms: float in range from 0.0 to 1.0, integer in range from 0 to 255 and hexadecimal in range from 0x00 to 0xff.

supported child tags:

<column-text> tag

Splits the output area in several columns.

supported attributes:

- class:** The name of the style class to use (see style-def tag).
- columns:** The number of columns to use.
- font:** The name of the font definition to use.
- halign:** The horizontal alignment of the column contents.
Aliases: *'align'*
- halign:** The horizontal alignment of the column contents.
Aliases: *'align'*
- height:** The fixed height of the column text area.
- id:** The unique identifier of the item.
- leading:** The fixed vertical leading distance.
- line-spacing:** The line spacing factor for contents (is 1.2).
- padding:** The horizontal padding between the columns.
- rendered:** Rules, whether or not the given element is actually rendered.
- style:** The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- columns:** The number of columns to use.
- font-name:** The name of the font definition.
- height:** The fixed height of the column text area.
- horizontal-align:** The horizontal alignment of the column contents.
- leading:** The fixed vertical leading distance.
- line-spacing:** The line spacing factor for contents (is 1.2).
- padding:** The horizontal padding between the columns.

supported child tags:

[<add-row>](#), [<anchor>](#), [<annotation>](#), [<assert>](#), [](#), [<barcode>](#), [<barcode-pdf-417>](#), [
](#), [<chart>](#), [<datamatrix>](#), [<define-table>](#), [<else>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<image>](#), [<import>](#), [<index>](#), [<list>](#), [<log>](#), [<macro>](#), [<new-page>](#), [<outline>](#), [<p>](#), [<paragraph>](#), [<phrase>](#), [<set-format>](#), [<set-property>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<toc>](#), [<u>](#)

<combo-box> tag

Adds a combo box to the documents AcroForm.

supported attributes:

- bgcolor:** Defines the background color.
- border-color:** Defines the border color.
- border-type:** The field's border type.
Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'
- border-width:** Defines the border width.
- class:** The name of the style class to use (see style-def tag).
- editable:** Tells whether the field should be editable or not, default is true.
- font:** The name of the font definition to use.
- height:** The field's height.
- id:** The unique identifier of the item.
- name:** The field name.
- rendered:** Rules, whether or not the given element is actually rendered.
- status:** The initial status (true/false).
- style:** The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- value:** The field's value.
- width:** The field's width.
 - x:** The field's horizontal position on the current page.
 - y:** The field's vertical position on the current page.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color:** Defines the background color.
- border-color:** Defines the border color.
- border-type:** The field's border type.
Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'
- border-width:** Defines the border width.
- font-name:** The name of the font definition.
- height:** The field's height.
- id:** The unique identifier of the item.
- rendered:** Rules, whether or not the given element is actually rendered.
- width:** The field's width.
 - x:** The field's horizontal position on the current page.
 - y:** The field's vertical position on the current page.

supported child tags:

[<else>](#), [<foreach>](#), [<if>](#), [<javascript>](#), [<log>](#), [<option>](#), [<switch>](#)

<custom-tag> tag

Defines a custom document tag for more convenience and less typing.

supported attributes:

alias: The alias for the custom tag definition.

id: The unique identifier of the item.

tag: The name of the original tag.

supported child tags:

[<attribute>](#)

<datamatrix> tag

Prints a datmatrix code.

supported attributes:

height: The output height.

id: The unique identifier of the item.

padding: Defines the padding for all border edges.

rendered: Rules, whether or not the given element is actually rendered.

rotate: The rotation angle.

type: The encoding type.

Legal values are: 'AUTO', 'ASCII', 'B256', 'C40', 'TEXT', 'EDIFACT', 'X21', 'RAW'

width: The output width.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

height: The output height.

padding: Defines the padding for all border edges.

width: The output width.

supported child tags:

<date-format> tag

Formats the given value using the specified number format. The given number format must be specified according to the specifications of the SDK class `java.text.DecimalFormat`.

supported attributes:

format: The format string according to the definition of class `java.text.DecimalFormat`.

id: The unique identifier of the item.

value: The value to be formatted

supported child tags:

<default> tag

Conditional item, which evaluates its content in case no occurred 'case' item matched the value of the surrounding 'switch' tag so far.

supported attributes:

id: The unique identifier of the item.

trim-body: Tells whether to trim the body or not, default behaviour is not to trim the contents of the tag's body.

supported child tags:

<define-column> tag

Defines a column at the surrounding <print-table> tag.

supported attributes:

halign: Defines the horizontal alignment (left|right|center).

Aliases: '*align*'

halign: Defines the horizontal alignment (left|right|center).

Aliases: '*align*'

id: The unique identifier of the item.

name: The column name.

title: The column title.

width: The column width.

supported child tags:

<define-table> tag

Defines a table and adds it to the document properties.

supported attributes:

id: The unique identifier of the item.

name: The name of the table to define.

supported child tags:

[<add-column>](#)

<document> tag

Root element of the document.

supported attributes:

bgcolor: Defines the background color.

height: The page-height can be used alternatively together with page-width to define a custom document size.

id: The unique identifier of the item.

line-spacing: The line spacing factor for contents (is 1.2).

logical-pagestyle: The Logical Page Numbering style of the generated PDF (0: arabic numerals, 1: uppercase roman numerals, 2: lowercase roman numerals, 3: uppercase letters, 4: lowercase letters, 5: empty (No logical page numbers are generated but fixed text may still exist)).

logical-pagetext: The Logical Page Numbering style text of the generated PDF.

margin-bottom: The bottom margin.

margin-left: The left margin.

margin-right: The right margin.

margin-top: The top margin.

pdfversion: The Version of the generated PDF.

rotate: The rotation flag, if true the page gets rotated 90 degrees clockwise.

size: The page size
(LETTER|NOTE|LEGAL|A0|A1|A2|A3|A4|A5|A6|A7|A8|A9|A10|B0|B1|B2|B3|B4|B5).

width: The page-width can be used alternatively together with page-height to define a custom document size.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

background-color: Defines the background color.

height: The page-height can be used alternatively together with page-width to define a custom document size.

line-spacing: The line spacing factor for contents (is 1.2).

margin-bottom: The bottom margin.

margin-left: The left margin.

margin-right: The right margin.

margin-top: The top margin.

rotate: The rotation flag, if true the page gets rotated 90 degrees clockwise.

size: The page size
(LETTER|NOTE|LEGAL|A0|A1|A2|A3|A4|A5|A6|A7|A8|A9|A10|B0|B1|B2|B3|B4|B5).

width: The page-width can be used alternatively together with page-height to define a custom document size.

supported child tags:

[<add-row>](#), [<anchor>](#), [<annotation>](#), [<assert>](#), [](#), [<barcode>](#), [<barcode-pdf-417>](#), [<box>](#), [
](#), [<chapter>](#), [<chart>](#), [<checkbox>](#), [<color-def>](#), [<column-text>](#), [<combo-box>](#), [<custom-tag>](#), [<datamatrix>](#), [<define-table>](#), [<else>](#), [<encryption>](#), [](#), [<font-def>](#), [<footer>](#), [<foreach>](#), [<graphics>](#), [<head>](#), [<header>](#), [<hidden-field>](#), [<i>](#), [<if>](#), [<image>](#), [<import>](#), [<index>](#), [<insert-document>](#), [<javascript>](#), [<list>](#), [<log>](#), [<macro>](#), [<macro-def>](#), [<meta>](#), [<new-page>](#), [<outline>](#), [<overlay>](#), [<p>](#), [<page-format>](#), [<paragraph>](#), [<parameter-def>](#), [<phrase>](#), [<post-button>](#), [<print-table>](#), [<radio-button>](#), [<radio-group>](#), [<register-font>](#), [<register-tag>](#), [<reset-button>](#), [<resource-bundle>](#), [<segment>](#), [<select-list>](#), [<set-format>](#), [<set-property>](#), [](#), [<sticky>](#), [<style-def>](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<text-field>](#), [<toc>](#), [<u>](#), [<viewer-preferences>](#)

<draw-circle> tag

Draws a circle.

supported attributes:

fill: Tells whether or not to fill the object, default is false.

id: The unique identifier of the item.

radius: The radius of the circle to draw.

rendered: Rules, whether or not the given element is actually rendered.

x: The horizontal position of the center of the circle.

y: The vertical position of the center of the circle.

supported child tags:

<draw-curve> tag

Draws a rectangle.

supported attributes:

fill: Tells whether or not to fill the object, default is false.

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

x1: The horizontal position of the start point.

x2: The horizontal position of the first control point.

x3: The horizontal position of the second control point.

x4: The horizontal position of the end point.

y1: The vertical position of the start point.

y2: The vertical position of the first control point.

y3: The vertical position of the second control point.

y4: The vertical position of the end point.

supported child tags:

<draw-ellipse> tag

Draws a ellipse.

supported attributes:

fill: Tells whether or not to fill the ellipse, default is false.

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

x1: The horizontal position of the start point of the ellipse.

x2: The horizontal position of the end point of the ellipse.

y1: The vertical position of the start point of the ellipse.

y2: The vertical position of the end point of the ellipse.

supported child tags:

<draw-line> tag

Draws a line.

supported attributes:

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

x1: The horizontal position of the start point of the line.

x2: The horizontal position of the end point of the line.

y1: The vertical position of the start point of the line.

y2: The vertical position of the end point of the line.

supported child tags:

<draw-poly-line> tag

Draws a poly line.

supported attributes:

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

supported child tags:

[<point>](#)

<draw-polygon> tag

Draws a polygon.

supported attributes:

fill: Tells whether or not to fill the polygon, default is false.

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

supported child tags:

<point>

<draw-rectangle> tag

Draws a rectangle.

supported attributes:

fill: Tells whether or not to fill the rectangle, default is false.

height: The height of the rectangle.

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

width: The width of the rectangle.

x: The horizontal position of the start point of the rectangle.

y: The vertical position of the start point of the rectangle.

supported child tags:

<else> tag

Conditional item, which evaluates its content in case a previous if tag's condition didn't evaluate to true.

supported attributes:

id: The unique identifier of the item.

trim-body: Tells whether to trim the body or not, default behaviour is not to trim the contents of the tag's body.

supported child tags:

<encryption> tag

Specifies the encryption for the generated document.

supported attributes:

allow-assembly: Defines permission to do assembly with the document.

allow-copy: Defines permission to copy the document.

allow-degraded-

printing: Defines permission to print a degraded rendition of the document.

allow-fillin: Defines permission to fill in the document as a form.

allow-modify-

annotations: Defines permission to modify annotations of the document.

allow-modify-contents: Defines permission to modify the contents of the document.

allow-printing: Defines permission to print the document.

allow-screen-readers: Defines permission to use screen readers with document.

encryption-type: Defines the encryption bit strength, defaults to '128bit'.
Legal values are: '40bit', '128bit', 'AES128'

id: The unique identifier of the item.

owner-password: Defines the user password to be added to the document.

user-password: Defines the owner password to be added to the document.

supported child tags:

<extra-row> tag

Adds an extra row to the surrounding <print-row> tag.

supported attributes:

- bgcolor***: Defines the background color.
- border-color***: Defines the border color.
- border-style***: Defines the border type.
- border-width***: Defines the border width.
- class***: The name of the style class to use (see style-def tag).
- direction***: The insert direction: 'before' | 'after'.
- font***: The name of the font definition to use.
- height***: Defines a fixed height for the nested cells.
- id***: The unique identifier of the item.
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- no-wrap***: The no wrap flag.
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- rendered***: Rules, whether or not the given element is actually rendered.
- rotate***: The rotation angle for all cells of the row.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign***: Defines the vertical alignment (top|bottom|middle).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color***: Defines the background color.
- border-bottom-color***: Sets the color of the bottom border.
- border-bottom-width***: Sets the width of the bottom border.
- border-color***: Defines the border color.
- border-left-color***: Sets the color of the left border.
- border-left-width***: Sets the width of the left border.
- border-right-color***: Sets the color of the right border.
- border-right-width***: Sets the width of the right border.
- border-style***: Defines the border type.
- border-top-color***: Sets the color of the top border.
- border-top-width***: Sets the width of the top border.
- border-width***: Defines the border width.
- cell-height***: Defines a fixed height for the nested cells.
- font-name***: The name of the font definition.
- horizontal-align***: Defines the horizontal alignment (left|right|center).
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- no-wrap***: The no wrap flag.

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

rotate: The rotation angle.

vertical-align: Defines the vertical alignment (top|bottom|middle).

supported child tags:

[](#), [<else>](#), [](#), [<i>](#), [<if>](#), [<log>](#), [<macro>](#), [<row-cell>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<u>](#)

 tag

Sets the current font for the document. You can either hardcode a font here, or use a predefined font definition (see 'font-def' item).

supported attributes:

- color:** The font color.
- encoding:** The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.
Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'
Aliases: *'font-encoding'*
- encoding:** The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.
Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'
Aliases: *'font-encoding'*
- family:** The font family.
Aliases: *'font-family'*
- family:** The font family.
Aliases: *'font-family'*
- font-style:** For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.
- id:** The unique identifier of the item.
- name:** The font definition name, use this in case you want to make use of predefined fonts (see font-def item).
Aliases: *'font-def'*
- name:** The font definition name, use this in case you want to make use of predefined fonts (see font-def item).
Aliases: *'font-def'*
- rendered:** Rules, whether or not the given element is actually rendered.
 - size:** The font size.
Aliases: *'font-size'*
 - size:** The font size.
Aliases: *'font-size'*
 - style:** The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- text-rise:** The text displacement relative to the baseline. Positive values rise the text, negative values lower the text.
- trim-body:** Tells whether to trim the body or not, default behaviour is not to trim the contents of the tag's body.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- font-color:** The font color.

font-encoding: The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.
Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'

font-family: The font family.

Aliases: 'family'

font-family: The font family.

Aliases: 'family'

font-name: The name of the font definition.

font-size: The font size.

font-style: For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.

text-rise: The text displacement relative to the baseline. Positive values rise the text, negative values lower the text.

supported child tags:

[<add-row>](#), [<assert>](#), [](#), [
](#), [<cell>](#), [<define-table>](#), [<else>](#), [](#), [<footer>](#), [<foreach>](#), [<header>](#), [<i>](#), [<if>](#), [<import>](#), [<index>](#), [<log>](#), [<macro>](#), [<new-page>](#), [<p>](#), [<paragraph>](#), [<phrase>](#), [<print-table>](#), [<set-property>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<table-header>](#), [<td>](#), [<th>](#), [<toc>](#), [<u>](#)

<font-def> tag

Defines a logical font for the document. This defined font can be used by the font tag, by setting its 'font-def' attribute or by several other tags by setting their 'font' attributes.

supported attributes:

color: The font color.

encoding: The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.
Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'
Aliases: *'font-encoding'*

encoding: The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.
Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'
Aliases: *'font-encoding'*

family: The font family.

Aliases: *'font-family'*

family: The font family.

Aliases: *'font-family'*

font-style: For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.

id: The unique identifier of the item.

name: The name of the font definition.

size: The font size.

Aliases: *'font-size'*

size: The font size.

Aliases: *'font-size'*

style: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').

text-rise: The text displacement relative to the baseline. Positive values rise the text, negative values lower the text.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

font-color: The font color.

Aliases: *'color'*

font-color: The font color.

font-encoding: The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.
Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'

- font-encoding:** The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.
Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'
Aliases: *'encoding'*
- font-family:** The font family.
Aliases: *'family'*
- font-family:** The font family.
Aliases: *'family'*
- font-name:** The name of the font definition.
- font-size:** The font size.
- font-size:** The font size.
Aliases: *'size'*
- font-style:** For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.
Aliases: *'style'*
- font-style:** For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.
- text-rise:** The text displacement relative to the baseline. Positive values rise the text, negative values lower the text.

supported child tags:

<footer> tag

Defines the footer for the document.

supported attributes:

class: The name of the style class to use (see style-def tag).

font: The name of the font definition to use.

id: The unique identifier of the item.

padding-top: The padding between the horizontal ruler line and the content

rendered: Rules, whether or not the given element is actually rendered.

rule-color: The color of the horizontal ruler line

rule-width: The width of the horizontal ruler line

style: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

font-color: The font color.

font-encoding: The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.
Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'

font-family: The font family.

Aliases: 'family'

font-family: The font family.

Aliases: 'family'

font-name: The name of the font definition.

font-size: The font size.

font-style: For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.

padding-top: The padding between the horizontal ruler line and the content

rule-color: The color of the horizontal ruler line

rule-width: The width of the horizontal ruler line

supported child tags:

[](#), [<else>](#), [](#), [<footer-part>](#), [<i>](#), [<if>](#), [<log>](#), [<macro>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<u>](#)

<footer-part> tag

Defines a part of the surrounding footer.

supported attributes:

bgcolor: Defines the background color.

class: The name of the style class to use (see style-def tag).

font: The name of the font definition to use.

halign: Defines the horizontal alignment (left|right|center).

Aliases: *'align'*

halign: Defines the horizontal alignment (left|right|center).

Aliases: *'align'*

id: The unique identifier of the item.

padding-top: Defines the top padding.

rendered: Rules, whether or not the given element is actually rendered.

style: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').

width: The fixed width of this part.

x: The fixed horizontal position of this part. In case you've specified a negative value, the part will be placed relative to the right page border

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

background-color: Defines the background color.

font-color: The font color.

font-encoding: The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.

Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'

font-family: The font family.

Aliases: *'family'*

font-family: The font family.

Aliases: *'family'*

font-name: The name of the font definition.

font-size: The font size.

font-style: For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.

horizontal-align: Defines the horizontal alignment (left|right|center).

padding-top: Defines the top padding.

width: The fixed width of this part.

x: The fixed horizontal position of this part. In case you've specified a negative value, the part will be placed relative to the right page border

supported child tags:

[](#), [<barcode>](#), [<barcode-pdf-417>](#), [<chart>](#), [<datamatrix>](#), [<date-format>](#), [<else>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<image>](#), [<log>](#), [<macro>](#), [<number-format>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<u>](#)

<foreach> tag

Executes the nested items for each occurrence of the specified sequence. Sequences can be everything that provides an iterator method serving an Iterator instance.

supported attributes:

- id:** The unique identifier of the item.
- loop-variable:** The loop variable, holds the current value from the specified sequence. Together with the loop variable there will be a property available called variable + 'Idx', which holds the index of the current element from the sequence.
- rendered:** Rules, whether or not the given element is actually rendered.
- sequence:** An expression evaluating to a valid sequence. Valid sequences are objects of each type that implement a public method called 'iterator()' which serves an instance that implements the interface java.util.Iterator.
- trim-body:** Tells whether to trim the body or not, default behaviour is not to trim the contents of the tag's body.

supported child tags:

<graphics> tag

Defines a graphics area.

supported attributes:

- draw-foreground:** Tells whether to draw the image in the foreground or in the background. The default value for this attribute is true.
- fill-color:** The fill color for graphical operations.
- id:** The unique identifier of the item.
- line-width:** The line width for graphical operations.
- stroke-color:** The stroke color for graphical operations.

supported child tags:

[<draw-circle>](#), [<draw-curve>](#), [<draw-ellipse>](#), [<draw-line>](#), [<draw-poly-line>](#), [<draw-polygon>](#), [<draw-rectangle>](#), [<point>](#), [<set-fill-color>](#), [<set-line-cap>](#), [<set-line-dash>](#), [<set-line-join>](#), [<set-line-width>](#), [<set-stroke-color>](#)

<head> tag

Defines a document macro block. This macro can be used in several parts of the document using the 'macro' item.

supported child tags:

<header> tag

Defines the header for the document.

supported attributes:

class: The name of the style class to use (see style-def tag).

font: The name of the font definition to use.

id: The unique identifier of the item.

padding-bottom: The padding between the horizontal ruler line and the content

rendered: Rules, whether or not the given element is actually rendered.

rule-color: The color of the horizontal ruler line

rule-width: The width of the horizontal ruler line

style: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

font-name: The name of the font definition.

padding-bottom: The padding between the horizontal ruler line and the content

rule-color: The color of the horizontal ruler line

rule-width: The width of the horizontal ruler line

supported child tags:

[](#), [<else>](#), [](#), [<header-part>](#), [<i>](#), [<if>](#), [<log>](#), [<macro>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<u>](#)

<header-part> tag

Defines a part of the surrounding header.

supported attributes:

bgcolor: Defines the background color.

class: The name of the style class to use (see style-def tag).

font: The name of the font definition to use.

halign: Defines the horizontal alignment (left|right|center).

Aliases: '*align*'

halign: Defines the horizontal alignment (left|right|center).

Aliases: '*align*'

id: The unique identifier of the item.

padding-bottom: Defines the bottom padding.

rendered: Rules, whether or not the given element is actually rendered.

style: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').

width: The fixed width of this part.

x: The fixed horizontal position of this part. In case you've specified a negative value, the part will be placed relative to the right page border

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

background-color: Defines the background color.

font-name: The name of the font definition.

horizontal-align: Defines the horizontal alignment (left|right|center).

padding-bottom: Defines the bottom padding.

width: The fixed width of this part.

x: The fixed horizontal position of this part. In case you've specified a negative value, the part will be placed relative to the right page border

supported child tags:

[](#), [<barcode>](#), [<barcode-pdf-417>](#), [<chart>](#), [<datamatrix>](#), [<date-format>](#), [<else>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<image>](#), [<log>](#), [<macro>](#), [<number-format>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<u>](#)

<hidden-field> tag

Adds a hidden field to the documents AcroForm.

supported attributes:

- bgcolor:** Defines the background color.
- border-color:** Defines the border color.
- border-type:** The field's border type.
Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'
- border-width:** Defines the border width.
- height:** The field's height.
- id:** The unique identifier of the item.
- name:** The field name.
- rendered:** Rules, whether or not the given element is actually rendered.
- value:** The field's value.
- width:** The field's width.
 - x:** The field's horizontal position on the current page.
 - y:** The field's vertical position on the current page.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color:** Defines the background color.
- border-color:** Defines the border color.
- border-type:** The field's border type.
Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'
- border-width:** Defines the border width.
- height:** The field's height.
- id:** The unique identifier of the item.
- rendered:** Rules, whether or not the given element is actually rendered.
- width:** The field's width.
 - x:** The field's horizontal position on the current page.
 - y:** The field's vertical position on the current page.

supported child tags:

[<javascript>](#)

<i> tag

Changes the document font by adding the 'italic' attribute to the current font.

supported attributes:

- id:** The unique identifier of the item.
- rendered:** Rules, whether or not the given element is actually rendered.
- trim-body:** Tells whether to trim the body or not, default behaviour is not to trim the contents of the tag's body.

supported child tags:

[<add-row>](#), [<assert>](#), [](#), [
](#), [<cell>](#), [<define-table>](#), [<else>](#), [](#), [<footer>](#), [<foreach>](#), [<header>](#), [<i>](#), [<if>](#), [<import>](#), [<index>](#), [<log>](#), [<macro>](#), [<new-page>](#), [<p>](#), [<paragraph>](#), [<phrase>](#), [<print-table>](#), [<set-property>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<table-header>](#), [<td>](#), [<th>](#), [<toc>](#), [<u>](#)

<if> tag

Conditional item, which evaluates its content in case the specified condition evaluates to true.

supported attributes:

cond: The condition to test, this may be a boolean constant, but will mostly be an expression.

id: The unique identifier of the item.

trim-body: Tells whether to trim the body or not, default behaviour is not to trim the contents of the tag's body.

supported child tags:

<image> tag

Inserts a image into the document. Images may be places absolutely on the page or relative to its parent item. The image gets loaded by the resource loader, which is specified at the document handler.

supported attributes:

- class:** The name of the style class to use (see style-def tag).
- draw-foreground:** Tells whether to draw the image in the foreground or in the background.
- halign:** The image's horizontal alignment (left|right|center).
Aliases: *'align'*
- halign:** The image's horizontal alignment (left|right|center).
Aliases: *'align'*
- height:** The image height, if no width is given, the image width is scaled with the same factor to keep the image proportions.
- id:** The unique identifier of the item.
- page:** The page from the source to use as image, this is currently only supported for PDF documents.
- rendered:** Rules, whether or not the given element is actually rendered.
- rotate:** The image rotation angle.
- scale-to-fit:** Tells whether to scale the image to fit the given width and height by keeping the original aspect ratio.
- source:** The image source can be the path to the image to load via ResourceLoader or an expression that resolves to an java.awt.Image or an com.lowagie.text.Image instance.
- style:** The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- textwrap:** The text wrap flag.
- underlying:** The underlying flag.
- valign:** The image's vertical alignment (top|bottom|middle).
- width:** The image width, if no height is given, the image height is scaled with the same factor to keep the image proportions.
- x:** The horizontal position, needed for absolute positioning. In case you've specified a negative value, the image will be placed relative to the right page border
- y:** The vertical position, needed for absolute positioning. In case you've specified a negative value, the image will be placed relative to the top page border

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- draw-foreground:** Tells whether to draw the image in the foreground or in the background.
- image-height:** The image height, if no width is given, the image width is scaled with the same factor to keep the image proportions.
- image-horizontal-align:** The image's horizontal alignment (left|right|center).
- image-scale-to-fit:** Tells whether to scale the image to fit the given width and height by keeping the original aspect ratio.
- image-vertical-align:** The image's vertical alignment (top|bottom|middle).
- image-width:** The image width, if no height is given, the image height is scaled with the same factor to keep the image proportions.
- image-x:** The horizontal position, needed for absolute positioning. In case you've specified a negative value, the image will be placed relative to the right page border
- image-y:** The vertical position, needed for absolute positioning. In case you've specified a negative value, the image will be placed relative to the top page border

rotate: The image rotation angle.

source: The image source can be the path to the image to load via ResourceLoader or an expression that resolves to an java.awt.Image or an com.lowagie.text.Image instance.

textwrap: The text wrap flag.

underlying: The underlying flag.

supported child tags:

<import> tag

Imports a document part from an external source, this document gets loaded by the resource loader, which is specified at the document handler.

supported attributes:

id: The unique identifier of the item.

source: The location of the document to import. This document is loaded using the ResourceLoader, specified at the DocumentHandler.

supported child tags:

<index> tag

This tag loops over the table of contents entries, which have been registered during the main document processing step.

supported attributes:

id: The unique identifier of the item.

loop-variable: The loop variable, holding the current TOC entry. Together with the loop variable there will be a property available called variable + 'Idx', which holds the index of the current element from the sequence.

rendered: Rules, whether or not the given element is actually rendered.

supported child tags:

<insert-column> tag

Inserts a column into the surrounding <print-table> tag.

supported attributes:

- direction:** The insert direction: 'before' | 'after'.
- halign:** Defines the horizontal alignment (left|right|center).
Aliases: 'align'
- halign:** Defines the horizontal alignment (left|right|center).
Aliases: 'align'
- id:** The unique identifier of the item.
- name:** The column name.
- reference:** The reference column at which to insert the new column.
- title:** The column title.
- width:** The column width.

supported child tags:

<insert-document> tag

Inserts a document at the current document position.

supported attributes:

- a:** The number of the first page to insert from the source document.
- id:** The unique identifier of the item.
- source:** The location of the document to insert at the current position.
- to:** The number of the last page to insert from the source document.
- x:** The horizontal offset for the page output.
- y:** The vertical offset for the page output.

supported child tags:

<item> tag

Adds values to the surrounding item holder. Known item holders tags are: parameter.

supported attributes:

- id:** The unique identifier of the item.
- rendered:** Rules, whether or not the given element is actually rendered.

supported child tags:

<items> tag

Aggregates a list of items and adds these list to the surrounding item holder. Known item holders tags are: parameter.

supported attributes:

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

supported child tags:

[<item>](#)

<javascript> tag

Adds javascript code to the surrounding element.

supported attributes:

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

supported child tags:

<list> tag

Adds an item to the surrounding list.

supported attributes:

- class:** The name of the style class to use (see style-def tag).
- font:** The name of the font definition to use.
- id:** The unique identifier of the item.
- lettered:** Tells whether the list items are lettered or not.
- line-spacing:** The line spacing factor for contents (is 1.2).
- listtype:** Specifies the type of list. The listtype can be only 'list', 'roman', 'greek' or 'zapfdingbats'.
- numbered:** Tells whether the list items are numbered or not.
- rendered:** Rules, whether or not the given element is actually rendered.
- start:** Specifies the numbering at which the list item should start.
- style:** The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- symbol-indent:** Specifies the symbol indentation.
- type:** Specifies the character to be used in the list. If the font used supports this char then it will be displayed else it will not.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- font-name:** The name of the font definition.
- lettered:** Tells whether the list items are lettered or not.
- line-spacing:** The line spacing factor for contents (is 1.2).
- numbered:** Tells whether the list items are numbered or not.
- symbol-indent:** Specifies the symbol indentation.

supported child tags:

[](#), [<else>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<list>](#), [<list-item>](#), [<list-symbol>](#), [<log>](#), [<macro>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<u>](#)

<list-item> tag

Adds an item the the surrounding <list> tag.

supported attributes:

- class:** The name of the style class to use (see style-def tag).
- font:** The name of the font definition to use.
- halign:** Defines the horizontal alignment (left|right|center).
Aliases: 'align'
- halign:** Defines the horizontal alignment (left|right|center).
Aliases: 'align'
- id:** The unique identifier of the item.
- keep-together:** Tells whether or not the items's contents should be kept together on one page.
- leading:** The fixed vertical leading distance.
- line-spacing:** The line spacing factor for contents (is 1.2).
- rendered:** Rules, whether or not the given element is actually rendered.
- spacing-after:** The vertical spacing after the items.
- spacing-before:** The vertical spacing before the items.
- style:** The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- font-name:** The name of the font definition.
- horizontal-align:** Defines the horizontal alignment (left|right|center).
- keep-together:** Tells whether or not the items's contents should be kept together on one page.
- leading:** The fixed vertical leading distance.
- line-spacing:** The line spacing factor for contents (is 1.2).
- spacing-after:** The vertical spacing after the items.
- spacing-before:** The vertical spacing before the items.

supported child tags:

[](#), [
](#), [<chart>](#), [<date-format>](#), [<else>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<image>](#), [<list>](#), [<log>](#), [<macro>](#), [<number-format>](#), [<phrase>](#), [<space>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<u>](#)

<list-symbol> tag

Specifies the list symbol at the surrounding list.

supported child tags:

[<chart>](#), [<image>](#)

<log> tag

Writing the tag's content to log.

supported attributes:

cond: The condition to test, this may be a boolean constant, but will mostly be an expression.

id: The unique identifier of the item.

level: The log level.
Legal values are: 'debug', 'info', 'warn', 'error', 'fatal'

supported child tags:

<macro> tag

Uses a document macro, this macro must have been specified previously by a 'macro-def' item.

supported attributes:

id: The unique identifier of the item.

name: The name of the macro definition to use.

rendered: Rules, whether or not the given element is actually rendered.

supported child tags:

[<parameter>](#)

<macro-def> tag

Defines a document macro block. This macro can be used in several parts of the document using the 'macro' item.

supported attributes:

id: The unique identifier of the item.

name: The name of the macro to define.

supported child tags:

<meta> tag

Adds meta informations to the document.

supported attributes:

author: The document's author.

creation-date: Tells whether to add the creation date to the document or not.

creator: The document's creator.

id: The unique identifier of the item.

keywords: The subject of the document.

subject: The subject of the document.

title: The title of the document.

supported child tags:

<module> tag

This tag is intended as the root element of modules, imported into a document using the import tag. It actually does nothing, it's only needed to fulfill the prescriptions of the XML specification.

supported child tags:

[<color-def>](#), [<custom-tag>](#), [<font-def>](#), [<macro>](#), [<macro-def>](#), [<register-font>](#), [<register-tag>](#), [<style-def>](#)

<new-page> tag

Starts a new page.

supported attributes:

bgcolor: Defines the background color.

height: The page-height can be used alternatively together with page-width to define a custom document size.

id: The unique identifier of the item.

logical-pagestyle: The Logical Page Numbering style of the generated PDF (0: arabic numerals, 1: uppercase roman numerals, 2: lowercase roman numerals, 3: uppercase letters, 4: lowercase letters, 5: empty (No logical page numbers are generated but fixed text may still exist)).

logical-pagetext: The Logical Page Numbering style text of the generated PDF.

margin-bottom: The bottom margin.

margin-left: The left margin.

margin-right: The right margin.

margin-top: The top margin.

rendered: Rules, whether or not the given element is actually rendered.

rotate: The rotation angle.

size: The page size
(LETTER|NOTE|LEGAL|A0|A1|A2|A3|A4|A5|A6|A7|A8|A9|A10|B0|B1|B2|B3|B4|B5).

width: The page-width can be used alternatively together with page-height to define a custom document size.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

background-color: Defines the background color.

height: The page-height can be used alternatively together with page-width to define a custom document size.

logical-pagestyle: The Logical Page Numbering style of the generated PDF (0: arabic numerals, 1: uppercase roman numerals, 2: lowercase roman numerals, 3: uppercase letters, 4: lowercase letters, 5: empty (No logical page numbers are generated but fixed text may still exist)).

logical-pagetext: The Logical Page Numbering style text of the generated PDF.

margin-bottom: The bottom margin.

margin-left: The left margin.

margin-right: The right margin.

margin-top: The top margin.

rotate: The rotation angle.

size: The page size
(LETTER|NOTE|LEGAL|A0|A1|A2|A3|A4|A5|A6|A7|A8|A9|A10|B0|B1|B2|B3|B4|B5).

width: The page-width can be used alternatively together with page-height to define a custom document size.

supported child tags:

[](#), [<else>](#), [](#), [<footer>](#), [<header>](#), [<i>](#), [<if>](#), [<log>](#), [<macro>](#), [](#), [<sticky>](#), [<sub>](#), [<super>](#), [<switch>](#), [<u>](#)

<number-format> tag

Formats the given value using the specified number format. The given number format must be specified according to the specifications of the SDK class `java.text.DecimalFormat`.

supported attributes:

format: The format string according to the definition of class `java.text.DecimalFormat`.

id: The unique identifier of the item.

value: The value to be formatted

supported child tags:

<option> tag

Adds options to the surrounding option holder. Known item holders tags are: `combo-box` and `select-list`.

supported attributes:

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

value: The option value.

supported child tags:

<outline> tag

Adds a outline to the document.

supported attributes:

id: The unique identifier of the item.

name: The name of the outline, needed to link outlines with each other and to build anchors which can be referenced from TOC.

parent: The name of the parent outline.

rendered: Rules, whether or not the given element is actually rendered.

toc-number: The number to view in the table of contents.

toc-relevance: Defined the relevance of the item for the table of contents or index of the document.

Legal values are: 'toc', 'index', 'all'

x: The absolute horizontal position to jump to.

y: The absolute horizontal position to jump to.

supported child tags:

<overlay> tag

Places the contents of the specified PDF source as the background of the document. This contents will get overlayed by the output of the following tags.

supported attributes:

- id:** The unique identifier of the item.
- margin-bottom:** The bottom margin.
- margin-left:** The left margin.
- margin-right:** The right margin.
- margin-top:** The top margin.
- page:** The number of the page from the source document to overlay, defaults to 1.
- rendered:** Rules, whether or not the given element is actually rendered.
- rotate:** The rotation flag, if true the page gets rotated 90 degrees clockwise.
- source:** The location of the document to overlay at resource loader.
- x:** The horizontal offset for the overlayed PDF. If not defined, the left margin defines the offset.
- y:** The vertical offset for the overlayed PDF. If not defined, the bottom margin defines the offset.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- image-x:** The horizontal offset for the overlayed PDF. If not defined, the left margin defines the offset.
- image-y:** The vertical offset for the overlayed PDF. If not defined, the bottom margin defines the offset.
- margin-bottom:** The bottom margin.
- margin-left:** The left margin.
- margin-right:** The right margin.
- margin-top:** The top margin.
- rotate:** The rotation flag, if true the page gets rotated 90 degrees clockwise.

supported child tags:

<p> tag

Adds a paragraph to its parent item.

supported attributes:

bgcolor: Defines the background color.

class: The name of the style class to use (see style-def tag).

font: The name of the font definition to use.

halign: Defines the horizontal alignment (left|right|center).

Aliases: *'align'*

halign: Defines the horizontal alignment (left|right|center).

Aliases: *'align'*

id: The unique identifier of the item.

keep-together: Tells whether or not the items's contents should be kept together on one page.

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

rendered: Rules, whether or not the given element is actually rendered.

spacing-after: The vertical spacing after the items.

spacing-before: The vertical spacing before the items.

style: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

background-color: Defines the background color.

font-color: The font color.

font-encoding: The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.

Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'

font-family: The font family.

Aliases: *'family'*

font-family: The font family.

Aliases: *'family'*

font-name: The name of the font definition.

font-size: The font size.

font-style: For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.

horizontal-align: Defines the horizontal alignment (left|right|center).

keep-together: Tells whether or not the items's contents should be kept together on one page.

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

spacing-after: The vertical spacing after the items.

spacing-before: The vertical spacing before the items.

supported child tags:

[<anchor>](#), [<annotation>](#), [](#), [<barcode>](#), [<barcode-pdf-417>](#), [
](#), [<chart>](#), [<chart>](#), [<datamatrix>](#), [<date-format>](#), [<else>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<image>](#), [<list>](#), [<log>](#), [<macro>](#), [<number-format>](#), [<outline>](#), [<phrase>](#), [<space>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<u>](#)

<page-format> tag

Defines the page format.

supported attributes:

bgcolor: Defines the background color.

height: The page-height can be used alternatively together with page-width to define a custom document size.

id: The unique identifier of the item.

margin-bottom: The bottom margin.

margin-left: The left margin.

margin-right: The right margin.

margin-top: The top margin.

rotate: The rotation flag, if true the page gets rotated 90 degrees clockwise.

size: The page size
(LETTER|NOTE|LEGAL|A0|A1|A2|A3|A4|A5|A6|A7|A8|A9|A10|B0|B1|B2|B3|B4|B5).

width: The page-width can be used alternatively together with page-height to define a custom document size.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

background-color: Defines the background color.

height: The page-height can be used alternatively together with page-width to define a custom document size.

margin-bottom: The bottom margin.

margin-left: The left margin.

margin-right: The right margin.

margin-top: The top margin.

rotate: The rotation flag, if true the page gets rotated 90 degrees clockwise.

size: The page size
(LETTER|NOTE|LEGAL|A0|A1|A2|A3|A4|A5|A6|A7|A8|A9|A10|B0|B1|B2|B3|B4|B5).

width: The page-width can be used alternatively together with page-height to define a custom document size.

supported child tags:

<paragraph> tag

Adds a paragraph to its parent item.

supported attributes:

- bgcolor:** Defines the background color.
- class:** The name of the style class to use (see style-def tag).
- font:** The name of the font definition to use.
- halign:** Defines the horizontal alignment (left|right|center).
Aliases: *'align'*
- halign:** Defines the horizontal alignment (left|right|center).
Aliases: *'align'*
- id:** The unique identifier of the item.
- keep-together:** Tells whether or not the items's contents should be kept together on one page.
- leading:** The fixed vertical leading distance.
- line-spacing:** The line spacing factor for contents (is 1.2).
- rendered:** Rules, whether or not the given element is actually rendered.
- spacing-after:** The vertical spacing after the items.
- spacing-before:** The vertical spacing before the items.
- style:** The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color:** Defines the background color.
- font-color:** The font color.
- font-encoding:** The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.
Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'
- font-family:** The font family.
Aliases: *'family'*
- font-family:** The font family.
Aliases: *'family'*
- font-name:** The name of the font definition.
- font-size:** The font size.
- font-style:** For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.
- horizontal-align:** Defines the horizontal alignment (left|right|center).
- keep-together:** Tells whether or not the items's contents should be kept together on one page.
- leading:** The fixed vertical leading distance.
- line-spacing:** The line spacing factor for contents (is 1.2).
- spacing-after:** The vertical spacing after the items.
- spacing-before:** The vertical spacing before the items.

supported child tags:

[<anchor>](#), [<annotation>](#), [](#), [<barcode>](#), [<barcode-pdf-417>](#), [
](#), [<chart>](#), [<chart>](#), [<datamatrix>](#), [<date-format>](#), [<else>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<image>](#), [<list>](#), [<log>](#), [<macro>](#), [<number-format>](#), [<outline>](#), [<phrase>](#), [<space>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<u>](#)

<parameter> tag

Adds a parameter to its surrounding parameter holder. This could be a macro for example. There must be a corresponding parameter definition for each parameter. The parameter value is determined from the item's body.

supported attributes:

id: The unique identifier of the item.

name: The name of the parameter.

supported child tags:

[<else>](#), [<foreach>](#), [<if>](#), [<item>](#), [<items>](#), [<switch>](#)

<parameter-def> tag

Adds a parameter definition to its surrounding parameter definition holder. This could be a macro definition for example.

supported attributes:

default-value: The default value, this only makes sense if the optional flag is defined as 'true'.

description: A description for the parameter.

id: The unique identifier of the item.

list: The list flag.

name: The name of the parameter.

optional: The optional flag.

type: The attribute type.

Legal values are: 'int', 'integer', 'float', 'long', 'double', 'date', 'time', 'timestamp', 'string', 'text', 'object'

supported child tags:

<phrase> tag

Adds a phrase to its parent item.

supported attributes:

- bgcolor:** Defines the background color.
- class:** The name of the style class to use (see style-def tag).
- font:** The name of the font definition to use.
- id:** The unique identifier of the item.
- leading:** The fixed vertical leading distance.
- line-spacing:** The line spacing factor for contents (is 1.2).
- no-wrap:** The no wrap flag.
- rendered:** Rules, whether or not the given element is actually rendered.
- rotate:** The rotation angle.
- style:** The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- trim-body:** Tells whether to trim the body or not, default behaviour is not to trim the contents of the tag's body.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color:** Defines the background color.
- font-name:** The name of the font definition.
- leading:** The fixed vertical leading distance.
- line-spacing:** The line spacing factor for contents (is 1.2).
- no-wrap:** The no wrap flag.
- rotate:** The rotation angle.

supported child tags:

[<anchor>](#), [<annotation>](#), [](#), [<barcode>](#), [<barcode-pdf-417>](#), [
](#), [<chart>](#), [<chart>](#), [<datamatrix>](#), [<date-format>](#), [<else>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<image>](#), [<log>](#), [<macro>](#), [<number-format>](#), [<phrase>](#), [<space>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<u>](#)

<point> tag

Defines a single point for a polygon or poly line.

supported attributes:

- id:** The unique identifier of the item.
- rendered:** Rules, whether or not the given element is actually rendered.
- x:** The horizontal position.
- y:** The vertical position.

supported child tags:

<post-button> tag

Adds a post button to the documents AcroForm.

supported attributes:

bgcolor: Defines the background color.

border-color: Defines the border color.

border-type: The field's border type.
Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'

border-width: Defines the border width.

class: The name of the style class to use (see style-def tag).

font: The name of the font definition to use.

height: The field's height.

id: The unique identifier of the item.

name: The field name.

rendered: Rules, whether or not the given element is actually rendered.

style: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').

url: The URL to post the form values to.

value: The field's value.

width: The field's width.

x: The field's horizontal position on the current page.

y: The field's vertical position on the current page.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

background-color: Defines the background color.

border-color: Defines the border color.

border-type: The field's border type.
Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'

border-width: Defines the border width.

font-name: The name of the font definition.

height: The field's height.

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

width: The field's width.

x: The field's horizontal position on the current page.

y: The field's vertical position on the current page.

supported child tags:

[<javascript>](#)

<print-footer-row> tag

Prints the contents of table footer rows.

supported attributes:

- bgcolor***: Defines the background color.
- border-color***: Defines the border color.
- border-style***: Defines the border type.
- border-width***: Defines the border width.
- class***: The name of the style class to use (see style-def tag).
- font***: The name of the font definition to use.
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- height***: Defines a fixed height for the nested cells.
- id***: The unique identifier of the item.
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- no-wrap***: The no wrap flag.
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- rendered***: Rules, whether or not the given element is actually rendered.
- rotate***: The rotation angle.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign***: Defines the vertical alignment (top|bottom|middle).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color***: Defines the background color.
- border-bottom-color***: Sets the color of the bottom border.
- border-bottom-width***: Sets the width of the bottom border.
- border-color***: Defines the border color.
- border-left-color***: Sets the color of the left border.
- border-left-width***: Sets the width of the left border.
- border-right-color***: Sets the color of the right border.
- border-right-width***: Sets the width of the right border.
- border-style***: Defines the border type.
- border-top-color***: Sets the color of the top border.
- border-top-width***: Sets the width of the top border.
- border-width***: Defines the border width.
- cell-height***: Defines a fixed height for the nested cells.
- font-name***: The name of the font definition.
- horizontal-align***: Defines the horizontal alignment (left|right|center).

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

no-wrap: The no wrap flag.

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

rotate: The rotation angle.

vertical-align: Defines the vertical alignment (top|bottom|middle).

supported child tags:

[](#), [<else>](#), [<extra-row>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<log>](#), [<macro>](#), [<row-cell>](#), [<set-property>](#), [](#),
[<sub>](#), [<super>](#), [<switch>](#), [<toggle-property>](#), [<u>](#)

<print-group-row> tag

Prints the contents of group rows.

supported attributes:

- bgcolor***: Defines the background color.
- border-color***: Defines the border color.
- border-style***: Defines the border type.
- border-width***: Defines the border width.
- class***: The name of the style class to use (see style-def tag).
- font***: The name of the font definition to use.
- group-name***: The name of the supported group.
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- height***: Defines a fixed height for the nested cells.
- id***: The unique identifier of the item.
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- no-wrap***: The no wrap flag.
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- rendered***: Rules, whether or not the given element is actually rendered.
- rotate***: The rotation angle.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign***: Defines the vertical alignment (top|bottom|middle).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color***: Defines the background color.
- border-bottom-color***: Sets the color of the bottom border.
- border-bottom-width***: Sets the width of the bottom border.
- border-color***: Defines the border color.
- border-left-color***: Sets the color of the left border.
- border-left-width***: Sets the width of the left border.
- border-right-color***: Sets the color of the right border.
- border-right-width***: Sets the width of the right border.
- border-style***: Defines the border type.
- border-top-color***: Sets the color of the top border.
- border-top-width***: Sets the width of the top border.
- border-width***: Defines the border width.
- cell-height***: Defines a fixed height for the nested cells.
- font-name***: The name of the font definition.

horizontal-align: Defines the horizontal alignment (left|right|center).

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

no-wrap: The no wrap flag.

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

rotate: The rotation angle.

vertical-align: Defines the vertical alignment (top|bottom|middle).

supported child tags:

[](#), [<else>](#), [<extra-row>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<log>](#), [<macro>](#), [<row-cell>](#), [<set-property>](#), [](#),
[<sub>](#), [<super>](#), [<switch>](#), [<toggle-property>](#), [<u>](#)

<print-group-title-row> tag

Prints the contents of group title rows.

supported attributes:

- bgcolor***: Defines the background color.
- border-color***: Defines the border color.
- border-style***: Defines the border type.
- border-width***: Defines the border width.
- class***: The name of the style class to use (see style-def tag).
- font***: The name of the font definition to use.
- group-name***: The name of the supported group.
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- height***: Defines a fixed height for the nested cells.
- id***: The unique identifier of the item.
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- no-wrap***: The no wrap flag.
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- rendered***: Rules, whether or not the given element is actually rendered.
- rotate***: The rotation angle.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign***: Defines the vertical alignment (top|bottom|middle).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color***: Defines the background color.
- border-bottom-color***: Sets the color of the bottom border.
- border-bottom-width***: Sets the width of the bottom border.
- border-color***: Defines the border color.
- border-left-color***: Sets the color of the left border.
- border-left-width***: Sets the width of the left border.
- border-right-color***: Sets the color of the right border.
- border-right-width***: Sets the width of the right border.
- border-style***: Defines the border type.
- border-top-color***: Sets the color of the top border.
- border-top-width***: Sets the width of the top border.
- border-width***: Defines the border width.
- cell-height***: Defines a fixed height for the nested cells.
- font-name***: The name of the font definition.

horizontal-align: Defines the horizontal alignment (left|right|center).

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

no-wrap: The no wrap flag.

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

rotate: The rotation angle.

vertical-align: Defines the vertical alignment (top|bottom|middle).

supported child tags:

[](#), [<else>](#), [<extra-row>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<log>](#), [<macro>](#), [<row-cell>](#), [<set-property>](#), [](#),
[<sub>](#), [<super>](#), [<switch>](#), [<toggle-property>](#), [<u>](#)

<print-header-row> tag

Prints the contents of table header rows.

supported attributes:

- bgcolor***: Defines the background color.
- border-color***: Defines the border color.
- border-style***: Defines the border type.
- border-width***: Defines the border width.
- class***: The name of the style class to use (see style-def tag).
- font***: The name of the font definition to use.
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- height***: Defines a fixed height for the nested cells.
- id***: The unique identifier of the item.
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- no-wrap***: The no wrap flag.
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- rendered***: Rules, whether or not the given element is actually rendered.
- rotate***: The rotation angle.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign***: Defines the vertical alignment (top|bottom|middle).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color***: Defines the background color.
- border-bottom-color***: Sets the color of the bottom border.
- border-bottom-width***: Sets the width of the bottom border.
- border-color***: Defines the border color.
- border-left-color***: Sets the color of the left border.
- border-left-width***: Sets the width of the left border.
- border-right-color***: Sets the color of the right border.
- border-right-width***: Sets the width of the right border.
- border-style***: Defines the border type.
- border-top-color***: Sets the color of the top border.
- border-top-width***: Sets the width of the top border.
- border-width***: Defines the border width.
- cell-height***: Defines a fixed height for the nested cells.
- font-name***: The name of the font definition.
- horizontal-align***: Defines the horizontal alignment (left|right|center).

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

no-wrap: The no wrap flag.

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

rotate: The rotation angle.

vertical-align: Defines the vertical alignment (top|bottom|middle).

supported child tags:

[](#), [<else>](#), [<extra-row>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<log>](#), [<macro>](#), [<row-cell>](#), [<set-property>](#), [](#),
[<sub>](#), [<super>](#), [<switch>](#), [<toggle-property>](#), [<u>](#)

<print-row> tag

Prints the contents of normal table rows.

supported attributes:

- bgcolor***: Defines the background color.
- border-color***: Defines the border color.
- border-style***: Defines the border type.
- border-width***: Defines the border width.
- class***: The name of the style class to use (see style-def tag).
- font***: The name of the font definition to use.
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- height***: Defines a fixed height for the nested cells.
- id***: The unique identifier of the item.
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- no-wrap***: The no wrap flag.
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- rendered***: Rules, whether or not the given element is actually rendered.
- rotate***: The rotation angle.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign***: Defines the vertical alignment (top|bottom|middle).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color***: Defines the background color.
- border-bottom-color***: Sets the color of the bottom border.
- border-bottom-width***: Sets the width of the bottom border.
- border-color***: Defines the border color.
- border-left-color***: Sets the color of the left border.
- border-left-width***: Sets the width of the left border.
- border-right-color***: Sets the color of the right border.
- border-right-width***: Sets the width of the right border.
- border-style***: Defines the border type.
- border-top-color***: Sets the color of the top border.
- border-top-width***: Sets the width of the top border.
- border-width***: Defines the border width.
- cell-height***: Defines a fixed height for the nested cells.
- font-name***: The name of the font definition.
- horizontal-align***: Defines the horizontal alignment (left|right|center).

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

no-wrap: The no wrap flag.

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

rotate: The rotation angle.

vertical-align: Defines the vertical alignment (top|bottom|middle).

supported child tags:

[](#), [<else>](#), [<extra-row>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<log>](#), [<macro>](#), [<row-cell>](#), [<set-property>](#), [](#),
[<sub>](#), [<super>](#), [<switch>](#), [<toggle-property>](#), [<u>](#)

<print-table> tag

Executes the nested items for each row of the specified table. Creates a table according to the column layout hints of the table.

supported attributes:

- bgcolor***: Defines the background color.
- border-color***: Defines the border color.
- border-style***: Defines the border type.
- border-width***: Defines the border width.
- cell-halign***: Defines the horizontal alignment for the nested cells.
Aliases: '*cell-align*'
- cell-halign***: Defines the horizontal alignment for the nested cells.
Aliases: '*cell-align*'
- cell-valign***: Defines the vertical alignment for the nested cells.
- class***: The name of the style class to use (see style-def tag).
- font***: The name of the font definition to use.
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- id***: The unique identifier of the item.
- leading***: The fixed vertical leading distance.
- level-filter***: The maximum level of importance to support, any column with a higher level than the specified one is hidden.
- line-spacing***: The line spacing factor for contents (is 1.2).
- loop-variable***: The loop variable, holds the current value from the specified sequence. Together with the loop variable there will be a property available called variable + 'Idx', which holds the index of the current element from the sequence.
- no-wrap***: The no wrap flag.
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- print-header***: Tells whether to print the header row or not.
- rendered***: Rules, whether or not the given element is actually rendered.
- sequence***: An expression evaluating to a valid sequence. Valid sequences are objects of each type that implement a public method called 'iterator()' which serves an instance that implements the interface java.util.Iterator.
- spacing-after***: The vertical spacing after the items.
- spacing-before***: The vertical spacing before the items.
- split-late***: Tells whether to split rows late or not. If true the row will only split if it's the first one in an empty page.
- split-rows***: Tells whether to split table rows accross pages or not.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign***: Defines the vertical alignment (top|bottom|middle).

width: The table widths in percent (default is 100.0).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

background-color: Defines the background color.

border-color: Defines the border color.

border-style: Defines the border type.

border-width: Defines the border width.

cell-halign: Defines the horizontal alignment for the nested cells.

Aliases: 'cell-align'

cell-halign: Defines the horizontal alignment for the nested cells.

Aliases: 'cell-align'

cell-valign: Defines the vertical alignment for the nested cells.

font-name: The name of the font definition.

horizontal-align: Defines the horizontal alignment (left|right|center).

leading: The fixed vertical leading distance.

level-filter: The maximum level of importance to support, any column with a higher level than the specified one is hidden.

line-spacing: The line spacing factor for contents (is 1.2).

no-wrap: The no wrap flag.

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

print-header: Tells whether to print the header row or not.

spacing-after: The vertical spacing after the items.

spacing-before: The vertical spacing before the items.

split-late: Tells whether to split rows late or not. If true the row will only split if it's the first one in an empty page.

split-rows: Tells whether to split table rows accross pages or not.

vertical-align: Defines the vertical alignment (top|bottom|middle).

width: The table widths in percent (default is 100.0).

supported child tags:

[<alter-column>](#), [](#), [<define-column>](#), [<else>](#), [](#), [<i>](#), [<if>](#), [<insert-column>](#), [<log>](#), [<macro>](#), [<print-footer-row>](#), [<print-group-row>](#), [<print-group-title-row>](#), [<print-header-row>](#), [<print-row>](#), [<remove-column>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<u>](#)

<radio-button> tag

Adds a radio button to the documents AcroForm.

supported attributes:

bgcolor: Defines the background color.

border-color: Defines the border color.

border-type: The field's border type.

Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'

border-width: Defines the border width.

font: The name of the font definition to use.

height: The field's height.

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

url: The URL to post the form values to.

value: The field's value.

width: The field's width.

x: The field's horizontal position on the current page.

y: The field's vertical position on the current page.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

background-color: Defines the background color.

border-color: Defines the border color.

border-type: The field's border type.

Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'

border-width: Defines the border width.

font-name: The name of the font definition.

height: The field's height.

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

width: The field's width.

x: The field's horizontal position on the current page.

y: The field's vertical position on the current page.

supported child tags:

[<javascript>](#)

<radio-group> tag

Adds a radio button group to the documents AcroForm.

supported attributes:

- bgcolor:** Defines the background color.
- border-color:** Defines the border color.
- border-type:** The field's border type.
Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'
- border-width:** Defines the border width.
- class:** The name of the style class to use (see style-def tag).
- font:** The name of the font definition to use.
- height:** The field's height.
- id:** The unique identifier of the item.
- name:** The field name.
- rendered:** Rules, whether or not the given element is actually rendered.
- style:** The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- value:** The field's value.
- width:** The field's width.
 - x:** The field's horizontal position on the current page.
 - y:** The field's vertical position on the current page.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color:** Defines the background color.
- border-color:** Defines the border color.
- border-type:** The field's border type.
Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'
- border-width:** Defines the border width.
- font-name:** The name of the font definition.
- height:** The field's height.
- id:** The unique identifier of the item.
- rendered:** Rules, whether or not the given element is actually rendered.
- width:** The field's width.
 - x:** The field's horizontal position on the current page.
 - y:** The field's vertical position on the current page.

supported child tags:

[<javascript>](#), [<radio-button>](#)

<register-font> tag

Registers the specified TTF font.

supported attributes:

- cached:** The font file needs to be cached or not.
- embedded:** The font file needs to be embedded or not.
- family:** The font family.
Aliases: *'font-family'*
- family:** The font family.
Aliases: *'font-family'*
- font-style:** For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.
- id:** The unique identifier of the item.
- source:** The location of the TTF file at the resource loader.

supported child tags:

<register-tag> tag

Registers the specified tag class.

supported attributes:

- id:** The unique identifier of the item.
- name:** The name of the tag to register.
- tag-class:** The fully qualified tag implementation class name.

supported child tags:

<remove-column> tag

Removes a column from the surrounding <print-table> tag.

supported attributes:

- id:** The unique identifier of the item.
- name:** The name of the column to remove.

supported child tags:

<reset-button> tag

Adds a reset button to the documents AcroForm.

supported attributes:

- bgcolor:** Defines the background color.
- border-color:** Defines the border color.
- border-type:** The field's border type.
Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'
- border-width:** Defines the border width.
- class:** The name of the style class to use (see style-def tag).
- font:** The name of the font definition to use.
- height:** The field's height.
- id:** The unique identifier of the item.
- name:** The field name.
- rendered:** Rules, whether or not the given element is actually rendered.
- style:** The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- value:** The field's value.
- width:** The field's width.
 - x:** The field's horizontal position on the current page.
 - y:** The field's vertical position on the current page.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color:** Defines the background color.
- border-color:** Defines the border color.
- border-type:** The field's border type.
Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'
- border-width:** Defines the border width.
- font-name:** The name of the font definition.
- height:** The field's height.
- id:** The unique identifier of the item.
- rendered:** Rules, whether or not the given element is actually rendered.
- width:** The field's width.
 - x:** The field's horizontal position on the current page.
 - y:** The field's vertical position on the current page.

supported child tags:

`<javascript>`

<resource-bundle> tag

Loads a localized resource bundle through the resource loader.

supported attributes:

- id:** The unique identifier of the item.
- name:** The name of the resource bundle.
- source:** The location of the resource bundle at the resource loader.

supported child tags:

<row-cell> tag

Specifies the style of a cell for a specific column within the surrounding print-row tag.

supported attributes:

- bgcolor***: Defines the background color.
- border-color***: Defines the border color.
- border-style***: Defines the border type.
- border-width***: Defines the border width.
- class***: The name of the style class to use (see style-def tag).
- colspan***: The column span of the cell.
- fill-row***: Tells whether or not to fill up the current table row.
- font***: The name of the font definition to use.
- format***: The format to use for output of numeric or date values.
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- height***: Defines a fixed height for the nested cells.
- id***: The unique identifier of the item.
- index***: The index of the column to define the attributes for.
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- name***: The name of the column to define the attributes for.
- no-wrap***: The no wrap flag.
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- rendered***: Rules, whether or not the given element is actually rendered.
- rotate***: The rotation angle of the cell.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign***: Defines the vertical alignment (top|bottom|middle).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color***: Defines the background color.
- border-bottom-color***: Sets the color of the bottom border.
- border-bottom-width***: Sets the width of the bottom border.
- border-color***: Defines the border color.
- border-left-color***: Sets the color of the left border.
- border-left-width***: Sets the width of the left border.
- border-right-color***: Sets the color of the right border.
- border-right-width***: Sets the width of the right border.
- border-style***: Defines the border type.
- border-top-color***: Sets the color of the top border.

border-top-width: Sets the width of the top border.

border-width: Defines the border width.

cell-height: Defines a fixed height for the nested cells.

font-name: The name of the font definition.

horizontal-align: Defines the horizontal alignment (left|right|center).

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

no-wrap: The no wrap flag.

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

rotate: The rotation angle of the cell.

vertical-align: Defines the vertical alignment (top|bottom|middle).

supported child tags:

`<anchor>`, ``, `<barcode>`, `<barcode-pdf-417>`, `
`, `<cell>`, `<chart>`, `<check-box>`, `<combo-box>`,
`<datamatrix>`, `<date-format>`, `<else>`, ``, `<foreach>`, `<hidden-field>`, `<i>`, `<if>`, `<image>`, `<import>`, `<list>`,
`<log>`, `<macro>`, `<number-format>`, `<outline>`, `<p>`, `<paragraph>`, `<phrase>`, `<post-button>`, `<print-table>`,
`<radio-button>`, `<radio-group>`, `<reset-button>`, `<select-list>`, `<space>`, ``, `<sub>`, `<super>`, `<switch>`,
`<table>`, `<td>`, `<text-field>`, `<u>`

<section> tag

Adds a chapter to the document.

supported attributes:

- class:** The name of the style class to use (see style-def tag).
- font:** The name of the font definition to use for the section contents.
- id:** The unique identifier of the item.
- indentation:** The indentation of the content.
- leading:** The fixed vertical leading distance.
- line-spacing:** The line spacing factor for contents (is 1.2).
- number-depth:** The numbering depth.
- rendered:** Rules, whether or not the given element is actually rendered.
- spacing-after:** The vertical spacing after the chapter title.
- spacing-before:** The vertical spacing before the chapter title.
- style:** The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- title:** The title of the section.
- title-font:** The font to use for the section title output.
- toc-relevance:** Defined the relevance of the item for the table of contents or index of the document.
Legal values are: 'toc', 'index', 'all'

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- font-name:** The name of the font definition to use for the section contents.
- indentation:** The indentation of the content.
- leading:** The fixed vertical leading distance.
- line-spacing:** The line spacing factor for contents (is 1.2).
- spacing-after:** The vertical spacing after the chapter title.
- spacing-before:** The vertical spacing before the chapter title.
- title-font:** The font to use for the section title output.
- toc-relevance:** Defined the relevance of the item for the table of contents or index of the document.
Legal values are: 'toc', 'index', 'all'

supported child tags:

[<add-row>](#), [<anchor>](#), [<annotation>](#), [<assert>](#), [](#), [<barcode>](#), [<barcode-pdf-417>](#), [
](#), [<chapter>](#), [<chart>](#), [<datamatrix>](#), [<define-table>](#), [<else>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<image>](#), [<import>](#), [<list>](#), [<log>](#), [<macro>](#), [<new-page>](#), [<outline>](#), [<p>](#), [<paragraph>](#), [<phrase>](#), [<section>](#), [<set-property>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<u>](#)

<segment> tag

Inserts a sub document into the main document.

supported attributes:

bgcolor: Defines the background color.

height: The page-height can be used alternatively together with page-width to define a custom document size.

id: The unique identifier of the item.

line-spacing: The line spacing factor for contents (is 1.2).

loop-variable: The loop variable, holds the current value from the specified sequence. Together with the loop variable there will be a property available called variable + 'Idx', which holds the index of the current element from the sequence.

margin-bottom: The bottom margin.

margin-left: The left margin.

margin-right: The right margin.

margin-top: The top margin.

rendered: Rules, whether or not the given element is actually rendered.

rotate: The rotation flag, if true the page gets rotated 90 degrees clockwise.

sequence: An expression evaluating to a valid sequence. Valid sequences are objects of each type that implement a public method called 'iterator()' which serves an instance that implements the interface java.util.Iterator.

size: The page size
(LETTER|NOTE|LEGAL|A0|A1|A2|A3|A4|A5|A6|A7|A8|A9|A10|B0|B1|B2|B3|B4|B5).

trim-body: Tells whether to trim the body or not, default behaviour is not to trim the contents of the tag's body.

width: The page-width can be used alternatively together with page-height to define a custom document size.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

background-color: Defines the background color.

height: The page-height can be used alternatively together with page-width to define a custom document size.

line-spacing: The line spacing factor for contents (is 1.2).

margin-bottom: The bottom margin.

margin-left: The left margin.

margin-right: The right margin.

margin-top: The top margin.

rotate: The rotation flag, if true the page gets rotated 90 degrees clockwise.

size: The page size
(LETTER|NOTE|LEGAL|A0|A1|A2|A3|A4|A5|A6|A7|A8|A9|A10|B0|B1|B2|B3|B4|B5).

width: The page-width can be used alternatively together with page-height to define a custom document size.

supported child tags:

[<add-row>](#), [<anchor>](#), [<annotation>](#), [<assert>](#), [](#), [<barcode>](#), [<barcode-pdf-417>](#), [<box>](#), [
](#), [<chapter>](#), [<chart>](#), [<check-box>](#), [<column-text>](#), [<combo-box>](#), [<datamatrix>](#), [<define-table>](#), [<else>](#), [](#), [<footer>](#), [<foreach>](#), [<graphics>](#), [<header>](#), [<hidden-field>](#), [<i>](#), [<if>](#), [<image>](#), [<import>](#), [<javascript>](#), [<list>](#), [<log>](#), [<macro>](#), [<meta>](#), [<new-page>](#), [<outline>](#), [<overlay>](#), [<p>](#), [<paragraph>](#), [<phrase>](#), [<post-button>](#), [<print-table>](#), [<radio-button>](#), [<radio-group>](#), [<reset-button>](#), [<resource-bundle>](#), [<select-list>](#), [<set-format>](#), [<set-property>](#), [](#), [<sticky>](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<text-field>](#), [<u>](#)

<select-list> tag

Adds a select list to the documents AcroForm.

supported attributes:

bgcolor: Defines the background color.

border-color: Defines the border color.

border-type: The field's border type.
Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'

border-width: Defines the border width.

class: The name of the style class to use (see style-def tag).

font: The name of the font definition to use.

height: The field's height.

id: The unique identifier of the item.

name: The field name.

rendered: Rules, whether or not the given element is actually rendered.

style: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').

url: The URL to post the form values to.

value: The field's value.

width: The field's width.

x: The field's horizontal position on the current page.

y: The field's vertical position on the current page.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

background-color: Defines the background color.

border-color: Defines the border color.

border-type: The field's border type.
Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'

border-width: Defines the border width.

font-name: The name of the font definition.

height: The field's height.

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

width: The field's width.

x: The field's horizontal position on the current page.

y: The field's vertical position on the current page.

supported child tags:

[<else>](#), [<foreach>](#), [<if>](#), [<javascript>](#), [<log>](#), [<option>](#), [<switch>](#)

<set-field> tag

Sets a field value at the surrounding table row.

supported attributes:

- id:** The unique identifier of the item.
- name:** The name of the field to set.
- value:** The value to set for the field.

supported child tags:

<set-fill-color> tag

Defines the current fill color for the surrounding graphics area.

supported attributes:

- color:** The fill color to set.
- id:** The unique identifier of the item.
- rendered:** Rules, whether or not the given element is actually rendered.

supported child tags:

<set-format> tag

Defines the output format for the given data type.

supported attributes:

- format:** The format for the specified type. For more info see JAVA SDK documentation for types `java.text.DecimalFormat` and `java.text.SimpleDateFormat`.
- id:** The unique identifier of the item.
- type:** The type for which to define the format, supported types are: `int`, `long`, `float`, `double`, `String`, `Date`, `Time`, `Timestamp` and `Object`.
Legal values are: `'int'`, `'float'`, `'long'`, `'double'`, `'String'`, `'Date'`, `'Time'`, `'Timestamp'`, `'Object'`

supported child tags:

<set-line-cap> tag

Defines the current line dash for the surrounding graphics area.

supported attributes:

- id:** The unique identifier of the item.
- line-cap:** The line cap to set.
Legal values are: `'butt'`, `'round'`, `'projecting-square'`
- rendered:** Rules, whether or not the given element is actually rendered.

supported child tags:

<set-line-dash> tag

Defines the current line dash for the surrounding graphics area.

supported attributes:

id: The unique identifier of the item.

phase: The value of the phase.

rendered: Rules, whether or not the given element is actually rendered.

units-off: The number of units that must be off.

units-on: The number of units that must be on.

supported child tags:

<set-line-join> tag

Defines the current line dash for the surrounding graphics area.

supported attributes:

id: The unique identifier of the item.

line-join: The line join to set.

Legal values are: 'miter', 'round', 'bevel'

rendered: Rules, whether or not the given element is actually rendered.

supported child tags:

<set-line-width> tag

Defines the current line dash for the surrounding graphics area.

supported attributes:

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

width: The line width to set.

supported child tags:

<set-property> tag

Defines the value for a specific property.

supported attributes:

- id:** The unique identifier of the item.
- name:** The name of the property to set.
- type:** The type of the property to set, supported types are: int, long, float, double, String, Date, Time, Timestamp and Object.
Legal values are: 'int', 'float', 'long', 'double', 'String', 'Date', 'Time', 'Timestamp', 'Object'
- value:** The value to set for the property. In case of numeric or date/time values international format will be used for parsing.

supported child tags:

<set-stroke-color> tag

Defines the current stroke color for the surrounding graphics area.

supported attributes:

- color:** The stroke color to set.
- id:** The unique identifier of the item.
- rendered:** Rules, whether or not the given element is actually rendered.

supported child tags:

<space> tag

Leading and trailing spaces are mostly killed by trimming the content, so if you like to explicitly print a certain amount of spaces into the document, you can do this by using this item.

supported attributes:

- count:** The amount of spaces to insert, default is 1.
- id:** The unique identifier of the item.
- rendered:** Rules, whether or not the given element is actually rendered.

supported child tags:

 tag

Defines the style for the nested tags.

supported attributes:

class: The name of the style class to use (see style-def tag).

color: The font color.

encoding: The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.

Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'

Aliases: *'font-encoding'*

encoding: The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.

Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'

Aliases: *'font-encoding'*

family: The font family.

Aliases: *'font-family'*

family: The font family.

Aliases: *'font-family'*

font: The name of the font definition to use.

font-style: For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

size: The font size.

Aliases: *'font-size'*

size: The font size.

Aliases: *'font-size'*

style: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').

text-rise: The text displacement relative to the baseline. Positive values rise the text, negative values lower the text.

trim-body: Tells whether to trim the body or not, default behaviour is not to trim the contents of the tag's body.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

font-color: The font color.

font-encoding: The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.

Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'

font-family: The font family.

Aliases: *'family'*

font-family: The font family.

Aliases: 'family'

font-name: The name of the font definition.

font-size: The font size.

font-style: For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.

text-rise: The text displacement relative to the baseline. Positive values rise the text, negative values lower the text.

supported child tags:

[<add-row>](#), [<assert>](#), [](#), [
](#), [<cell>](#), [<define-table>](#), [<else>](#), [](#), [<footer>](#), [<foreach>](#), [<header>](#), [<i>](#), [<if>](#), [<import>](#), [<index>](#), [<log>](#), [<macro>](#), [<new-page>](#), [<p>](#), [<paragraph>](#), [<phrase>](#), [<print-table>](#), [<set-property>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<table-header>](#), [<td>](#), [<th>](#), [<toc>](#), [<u>](#)

<sticky> tag

Defines a sticky area. This area can contain background images and other absolutely positioned elements.

supported attributes:

id: The unique identifier of the item.

name: The name of the sticky area.

supported child tags:

[](#), [<background-image>](#), [<barcode>](#), [<barcode-pdf-417>](#), [<box>](#), [<chart>](#), [<datamatrix>](#), [<else>](#), [](#), [<i>](#), [<if>](#), [<image>](#), [<log>](#), [<macro>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<u>](#), [<watermark>](#)

<style-def> tag

Defines a style for the document. The style model aims to be similar to Cascading Style Sheets well known in HTML.

supported attributes:

- bgcolor***: Defines the background color.
- border-color***: Defines the border color.
- border-style***: Defines the border type.
- border-width***: Defines the border width.
- cell-halign***: Defines the horizontal alignment for the nested cells.
Aliases: '*cell-align*'
- cell-halign***: Defines the horizontal alignment for the nested cells.
Aliases: '*cell-align*'
- cell-valign***: Defines the vertical alignment for the nested cells.
- font***: The name of the font definition to use.
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- id***: The unique identifier of the item.
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- name***: The name of the style definition. In case you'd like to define the style for all occurrences of a tag, put the tag name here. In case the style should be valid for all tags, specify the tag name after a leading '.' character. Otherwise append the name to the tag name you'd like to define separated by a '.' character (example: cell.normal).
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- spacing-after***: The vertical spacing after the items.
- spacing-before***: The vertical spacing before the items.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- text-rise***: The text displacement relative to the baseline. Positive values rise the text, negative values lower the text.
- valign***: Defines the vertical alignment (top|bottom|middle).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color***: Defines the background color.
- border-bottom-color***: Sets the color of the bottom border.
- border-bottom-width***: Sets the width of the bottom border.
- border-color***: Defines the border color.
- border-left-color***: Sets the color of the left border.
- border-left-width***: Sets the width of the left border.

border-right-color: Sets the color of the right border.

border-right-width: Sets the width of the right border.

border-style: Defines the border type.

border-top-color: Sets the color of the top border.

border-top-width: Sets the width of the top border.

border-width: Defines the border width.

cell-halign: Defines the horizontal alignment for the nested cells.
Aliases: '*cell-align*'

cell-halign: Defines the horizontal alignment for the nested cells.
Aliases: '*cell-align*'

cell-valign: Defines the vertical alignment for the nested cells.

font-color: The font color.

font-encoding: The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.
Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'

font-family: The font family.
Aliases: '*family*'

font-family: The font family.
Aliases: '*family*'

font-name: The name of the font definition.

font-size: The font size.

font-style: For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.

horizontal-align: Defines the horizontal alignment (left|right|center).

id: The unique identifier of the item.

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

spacing-after: The vertical spacing after the items.

spacing-before: The vertical spacing before the items.

text-rise: The text displacement relative to the baseline. Positive values rise the text, negative values lower the text.

vertical-align: Defines the vertical alignment (top|bottom|middle).

supported child tags:

<sub> tag

Performs the output of the nested text below the baseline.

supported attributes:

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

trim-body: Tells whether to trim the body or not, default behaviour is not to trim the contents of the tag's body.

supported child tags:

[<add-row>](#), [<assert>](#), [](#), [
](#), [<cell>](#), [<define-table>](#), [<else>](#), [](#), [<footer>](#), [<foreach>](#), [<header>](#), [<i>](#), [<if>](#), [<import>](#), [<index>](#), [<log>](#), [<macro>](#), [<new-page>](#), [<p>](#), [<paragraph>](#), [<phrase>](#), [<print-table>](#), [<set-property>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<table-header>](#), [<td>](#), [<th>](#), [<toc>](#), [<u>](#)

<super> tag

Performs the output of the nested text above the baseline.

supported attributes:

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

trim-body: Tells whether to trim the body or not, default behaviour is not to trim the contents of the tag's body.

supported child tags:

[<add-row>](#), [<assert>](#), [](#), [
](#), [<cell>](#), [<define-table>](#), [<else>](#), [](#), [<footer>](#), [<foreach>](#), [<header>](#), [<i>](#), [<if>](#), [<import>](#), [<index>](#), [<log>](#), [<macro>](#), [<new-page>](#), [<p>](#), [<paragraph>](#), [<phrase>](#), [<print-table>](#), [<set-property>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<table-header>](#), [<td>](#), [<th>](#), [<toc>](#), [<u>](#)

<switch> tag

Specifies the value that nested 'case' items compare their value to.

supported attributes:

id: The unique identifier of the item.

value: Expression serving the value to check against the nested case items.

supported child tags:

[<case>](#), [<default>](#)

<table> tag

Adds a table to its parent item. Tables are very useful if you want to layout your document nicely.

supported attributes:

- bgcolor***: Defines the default background color for the nested cells.
- border-color***: Defines the default border color for the nested cells.
- border-style***: Defines the default border type for the nested cells.
- border-width***: Defines the default border width for the nested cells.
- cell-halign***: Defines the horizontal alignment for the nested cells.
Aliases: '*cell-align*'
- cell-halign***: Defines the horizontal alignment for the nested cells.
Aliases: '*cell-align*'
- cell-valign***: Defines the vertical alignment for the nested cells.
- class***: The name of the style class to use (see style-def tag).
- columns***: The number of table columns.
- font***: The name of the font definition to use.
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- id***: The unique identifier of the item.
- keep-together***: Tells whether or not the items's contents should be kept together on one page.
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- padding***: Defines the default padding for the nested cells.
- padding-bottom***: Defines the default bottom padding for the nested cells.
- padding-left***: Defines the default left padding for the nested cells.
- padding-right***: Defines the default right padding for the nested cells.
- padding-top***: Defines the default top padding for the nested cells.
- rendered***: Rules, whether or not the given element is actually rendered.
- spacing-after***: The vertical spacing after the items.
- spacing-before***: The vertical spacing before the items.
- split-late***: Tells whether to split rows late or not. If true the row will only split if it's the first one in an empty page.
- split-rows***: Tells whether to split table rows accross pages or not.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- width***: The table widths in percent (default is 100.0).
- widths***: The table widths, a comma separated list of percentual column widths.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color***: Defines the default background color for the nested cells.
- border-color***: Defines the default border color for the nested cells.
- border-style***: Defines the default border type for the nested cells.
- border-width***: Defines the default border width for the nested cells.
- cell-halign***: Defines the horizontal alignment for the nested cells.

Aliases: *'cell-align'*

cell-halign: Defines the horizontal alignment for the nested cells.

Aliases: *'cell-align'*

cell-valign: Defines the vertical alignment for the nested cells.

font-color: The font color.

font-encoding: The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.
Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'

font-family: The font family.

Aliases: *'family'*

font-family: The font family.

Aliases: *'family'*

font-name: The name of the font definition.

font-size: The font size.

font-style: For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.

horizontal-align: Defines the horizontal alignment (left|right|center).

keep-together: Tells whether or not the items's contents should be kept together on one page.

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

padding: Defines the default padding for the nested cells.

padding-bottom: Defines the default bottom padding for the nested cells.

padding-left: Defines the default left padding for the nested cells.

padding-right: Defines the default right padding for the nested cells.

padding-top: Defines the default top padding for the nested cells.

spacing-after: The vertical spacing after the items.

spacing-before: The vertical spacing before the items.

split-late: Tells whether to split rows late or not. If true the row will only split if it's the first one in an empty page.

split-rows: Tells whether to split table rows accross pages or not.

width: The table widths in percent (default is 100.0).

supported child tags:

[](#), [<cell>](#), [<cell-block>](#), [<else>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<import>](#), [<index>](#), [<log>](#), [<macro>](#), [<outline>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<table-header>](#), [<table-row>](#), [<table-split>](#), [<td>](#), [<th>](#), [<toc>](#), [<tr>](#), [<u>](#)

<table-header> tag

Declares the header cells for the surrounding table. In case the table already contains cells, it starts a new table to make sure that only the cells defined inside its own area are repeated as header on the following pages.

supported attributes:

- bgcolor***: Defines the background color.
- border-color***: Defines the border color.
- border-style***: Defines the border type.
- border-width***: Defines the border width.
- class***: The name of the style class to use (see style-def tag).
- font***: The name of the font definition to use.
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- height***: Defines a fixed height for the nested cells.
- id***: The unique identifier of the item.
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- no-wrap***: The no wrap flag.
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- rendered***: Rules, whether or not the given element is actually rendered.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign***: Defines the vertical alignment (top|bottom|middle).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color***: Defines the background color.
- border-bottom-color***: Sets the color of the bottom border.
- border-bottom-width***: Sets the width of the bottom border.
- border-color***: Defines the border color.
- border-left-color***: Sets the color of the left border.
- border-left-width***: Sets the width of the left border.
- border-right-color***: Sets the color of the right border.
- border-right-width***: Sets the width of the right border.
- border-style***: Defines the border type.
- border-top-color***: Sets the color of the top border.
- border-top-width***: Sets the width of the top border.
- border-width***: Defines the border width.
- cell-height***: Defines a fixed height for the nested cells.
- font-name***: The name of the font definition.

horizontal-align: Defines the horizontal alignment (left|right|center).

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

no-wrap: The no wrap flag.

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

vertical-align: Defines the vertical alignment (top|bottom|middle).

supported child tags:

[](#), [<cell>](#), [<else>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<log>](#), [<macro>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<td>](#),
[<u>](#)

<table-row> tag

Controls the cells of a single row for the surrounding table. It automatically fills up the row with empty cells in case not all cells, defined by the table layout have been defined inside the row.

supported attributes:

- bgcolor***: Defines the background color.
- border-color***: Defines the border color.
- border-style***: Defines the border type.
- border-width***: Defines the border width.
- class***: The name of the style class to use (see style-def tag).
- font***: The name of the font definition to use.
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- height***: Defines a fixed height for the nested cells.
- id***: The unique identifier of the item.
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- no-wrap***: The no wrap flag.
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- rendered***: Rules, whether or not the given element is actually rendered.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign***: Defines the vertical alignment (top|bottom|middle).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color***: Defines the background color.
- border-bottom-color***: Sets the color of the bottom border.
- border-bottom-width***: Sets the width of the bottom border.
- border-color***: Defines the border color.
- border-left-color***: Sets the color of the left border.
- border-left-width***: Sets the width of the left border.
- border-right-color***: Sets the color of the right border.
- border-right-width***: Sets the width of the right border.
- border-style***: Defines the border type.
- border-top-color***: Sets the color of the top border.
- border-top-width***: Sets the width of the top border.
- border-width***: Defines the border width.
- cell-height***: Defines a fixed height for the nested cells.
- font-name***: The name of the font definition.
- horizontal-align***: Defines the horizontal alignment (left|right|center).

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

no-wrap: The no wrap flag.

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

vertical-align: Defines the vertical alignment (top|bottom|middle).

supported child tags:

[](#), [<cell>](#), [<else>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<log>](#), [<macro>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<td>](#), [<u>](#)

<table-split> tag

Splits the surrounding table. This can be useful, if you like to break up a table or want to continue the table on the next page.

supported attributes:

id: The unique identifier of the item.

keep-header: Flag telling whether to keep the currently defined header of the table or to reset the header.

new-page: Flag telling whether to add a page break before continuing the table or not.

rendered: Rules, whether or not the given element is actually rendered.

supported child tags:

<td> tag

Adds a cell to its surrounding table or surrounding cell.

supported attributes:

- bgcolor***: Defines the background color.
- border-color***: Defines the border color.
- border-style***: Defines the border type.
- border-width***: Defines the border width.
- class***: The name of the style class to use (see style-def tag).
- colspan***: The column span of the cell.
- fill-row***: Tells whether or not to fill up the current table row.
- font***: The name of the font definition to use.
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- height***: Defines a fixed height for the nested cells.
- id***: The unique identifier of the item.
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- no-wrap***: The no wrap flag.
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- rendered***: Rules, whether or not the given element is actually rendered.
- rotate***: The rotation angle of the cell.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign***: Defines the vertical alignment (top|bottom|middle).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color***: Defines the background color.
- border-bottom-color***: Sets the color of the bottom border.
- border-bottom-width***: Sets the width of the bottom border.
- border-color***: Defines the border color.
- border-left-color***: Sets the color of the left border.
- border-left-width***: Sets the width of the left border.
- border-right-color***: Sets the color of the right border.
- border-right-width***: Sets the width of the right border.
- border-style***: Defines the border type.
- border-top-color***: Sets the color of the top border.
- border-top-width***: Sets the width of the top border.
- border-width***: Defines the border width.
- cell-height***: Defines a fixed height for the nested cells.

font-color: The font color.

font-encoding: The font encoding (default is Cp1252). For encodings different from Cp1250, Cp1252 and Cp1257 make sure that the asian extensions (iTextAsian.jar) are available in your class path.

Legal values are: 'Cp1250', 'Cp1252', 'Cp1257', 'UniGB-UCS2-H', 'UniGB-UCS2-V', 'UniCNS-UCS2-H', 'UniCNS-UCS2-V', 'UniJIS-UCS2-H', 'UniJIS-UCS2-V', 'UniJIS-UCS2-HW-H', 'UniJIS-UCS2-HW-V', 'UniKS-UCS2-H', 'UniKS-UCS2-V'

font-family: The font family.

Aliases: *'family'*

font-family: The font family.

Aliases: *'family'*

font-name: The name of the font definition.

font-size: The font size.

font-style: For undecorated fonts use 'normal'. Otherwise define one of these, or a combination of them: bold|italic|oblique|underline|line-through.

horizontal-align: Defines the horizontal alignment (left|right|center).

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

no-wrap: The no wrap flag.

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

rotate: The rotation angle of the cell.

vertical-align: Defines the vertical alignment (top|bottom|middle).

supported child tags:

[<anchor>](#), [](#), [<barcode>](#), [<barcode-pdf-417>](#), [
](#), [<cell>](#), [<chart>](#), [<check-box>](#), [<combo-box>](#), [<datamatrix>](#), [<date-format>](#), [<else>](#), [](#), [<foreach>](#), [<hidden-field>](#), [<i>](#), [<if>](#), [<image>](#), [<import>](#), [<list>](#), [<log>](#), [<macro>](#), [<number-format>](#), [<outline>](#), [<p>](#), [<paragraph>](#), [<phrase>](#), [<post-button>](#), [<print-table>](#), [<radio-button>](#), [<radio-group>](#), [<reset-button>](#), [<select-list>](#), [<space>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<td>](#), [<text-field>](#), [<u>](#)

<text-chart-item> tag

Adds a text item parameter to its surrounding chart tag.

supported attributes:

font: The name of the font definition to use.

halign: Defines the horizontal alignment (left|right|center).

Aliases: *'align'*

halign: Defines the horizontal alignment (left|right|center).

Aliases: *'align'*

id: The unique identifier of the item.

name: The name of the item.

rendered: Rules, whether or not the given element is actually rendered.

rotate: The rotation flag.

text-align: Defines the text alignment.

valign: Defines the vertical alignment (top|bottom|middle).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

font-name: The name of the font definition.

horizontal-align: Defines the horizontal alignment (left|right|center).

rotate: The rotation flag.

text-align: Defines the text alignment.

vertical-align: Defines the vertical alignment (top|bottom|middle).

supported child tags:

<text-field> tag

Adds a text field to the documents AcroForm.

supported attributes:

bgcolor: Defines the background color.

border-color: Defines the border color.

border-type: The field's border type.

Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'

border-width: Defines the border width.

class: The name of the style class to use (see style-def tag).

font: The name of the font definition to use.

height: The field's height.

id: The unique identifier of the item.

name: The field name.

rendered: Rules, whether or not the given element is actually rendered.

style: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').

text-align: The field text alignment. Default is 'left'.

Legal values are: 'left', 'center', 'right'

type: The field type. Default is 'simple'.

Legal values are: 'simple', 'multiline', 'password'

width: The field's width.

x: The field's horizontal position on the current page.

y: The field's vertical position on the current page.

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

background-color: Defines the background color.

border-color: Defines the border color.

border-type: The field's border type.

Legal values are: 'inset', 'beveled', 'dashed', 'solid', 'underline'

border-width: Defines the border width.

font-name: The name of the font definition.

height: The field's height.

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

text-align: The field text alignment. Default is 'left'.

Legal values are: 'left', 'center', 'right'

width: The field's width.

x: The field's horizontal position on the current page.

y: The field's vertical position on the current page.

supported child tags:

[<javascript>](#)

<th> tag

Declares the header cells for the surrounding table. In case the table already contains cells, it starts a new table to make sure that only the cells defined inside its own area are repeated as header on the following pages.

supported attributes:

- bgcolor***: Defines the background color.
- border-color***: Defines the border color.
- border-style***: Defines the border type.
- border-width***: Defines the border width.
- class***: The name of the style class to use (see style-def tag).
- font***: The name of the font definition to use.
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- height***: Defines a fixed height for the nested cells.
- id***: The unique identifier of the item.
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- no-wrap***: The no wrap flag.
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- rendered***: Rules, whether or not the given element is actually rendered.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign***: Defines the vertical alignment (top|bottom|middle).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color***: Defines the background color.
- border-bottom-color***: Sets the color of the bottom border.
- border-bottom-width***: Sets the width of the bottom border.
- border-color***: Defines the border color.
- border-left-color***: Sets the color of the left border.
- border-left-width***: Sets the width of the left border.
- border-right-color***: Sets the color of the right border.
- border-right-width***: Sets the width of the right border.
- border-style***: Defines the border type.
- border-top-color***: Sets the color of the top border.
- border-top-width***: Sets the width of the top border.
- border-width***: Defines the border width.
- cell-height***: Defines a fixed height for the nested cells.
- font-name***: The name of the font definition.

horizontal-align: Defines the horizontal alignment (left|right|center).

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

no-wrap: The no wrap flag.

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

vertical-align: Defines the vertical alignment (top|bottom|middle).

supported child tags:

[](#), [<cell>](#), [<else>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<log>](#), [<macro>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<td>](#), [<u>](#)

<toc> tag

This tag loops over the table of contents entries, which have been registered during the main document processing step.

supported attributes:

id: The unique identifier of the item.

loop-variable: The loop variable, holding the current TOC entry. Together with the loop variable there will be a property available called variable + 'Idx', which holds the index of the current element from the sequence.

rendered: Rules, whether or not the given element is actually rendered.

supported child tags:

<toggle-property> tag

Toggles the value for a specific property. Each time this tag is executed it changes its value from a to b or vice versa.

supported attributes:

a: The first value to set for the property. In case of numeric or date/time values international format will be used for parsing.

b: The second value to set for the property. In case of numeric or date/time values international format will be used for parsing.

id: The unique identifier of the item.

name: The name of the property to toggle.

type: The type of the property to set, supported types are: int, long, float, double, String, Date, Time, Timestamp and Object.

Legal values are: 'int', 'float', 'long', 'double', 'String', 'Date', 'Time', 'Timestamp', 'Object'

supported child tags:

<tr> tag

Controls the cells of a single row for the surrounding table. It automatically fills up the row with empty cells in case not all cells, defined by the table layout have been defined inside the row.

supported attributes:

- bgcolor***: Defines the background color.
- border-color***: Defines the border color.
- border-style***: Defines the border type.
- border-width***: Defines the border width.
- class***: The name of the style class to use (see style-def tag).
- font***: The name of the font definition to use.
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- halign***: Defines the horizontal alignment (left|right|center).
Aliases: '*align*'
- height***: Defines a fixed height for the nested cells.
- id***: The unique identifier of the item.
- leading***: The fixed vertical leading distance.
- line-spacing***: The line spacing factor for contents (is 1.2).
- no-wrap***: The no wrap flag.
- padding***: Defines the padding for all border edges.
- padding-bottom***: Defines the bottom padding.
- padding-left***: Defines the left padding.
- padding-right***: Defines the right padding.
- padding-top***: Defines the top padding.
- rendered***: Rules, whether or not the given element is actually rendered.
- style***: The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign***: Defines the vertical alignment (top|bottom|middle).

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- background-color***: Defines the background color.
- border-bottom-color***: Sets the color of the bottom border.
- border-bottom-width***: Sets the width of the bottom border.
- border-color***: Defines the border color.
- border-left-color***: Sets the color of the left border.
- border-left-width***: Sets the width of the left border.
- border-right-color***: Sets the color of the right border.
- border-right-width***: Sets the width of the right border.
- border-style***: Defines the border type.
- border-top-color***: Sets the color of the top border.
- border-top-width***: Sets the width of the top border.
- border-width***: Defines the border width.
- cell-height***: Defines a fixed height for the nested cells.
- font-name***: The name of the font definition.
- horizontal-align***: Defines the horizontal alignment (left|right|center).

leading: The fixed vertical leading distance.

line-spacing: The line spacing factor for contents (is 1.2).

no-wrap: The no wrap flag.

padding: Defines the padding for all border edges.

padding-bottom: Defines the bottom padding.

padding-left: Defines the left padding.

padding-right: Defines the right padding.

padding-top: Defines the top padding.

vertical-align: Defines the vertical alignment (top|bottom|middle).

supported child tags:

[](#), [<cell>](#), [<else>](#), [](#), [<foreach>](#), [<i>](#), [<if>](#), [<log>](#), [<macro>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<td>](#), [<u>](#)

<u> tag

Changes the document font by adding the 'underline' attribute to the current font.

supported attributes:

id: The unique identifier of the item.

rendered: Rules, whether or not the given element is actually rendered.

trim-body: Tells whether to trim the body or not, default behaviour is not to trim the contents of the tag's body.

supported child tags:

[<add-row>](#), [<assert>](#), [](#), [
](#), [<cell>](#), [<define-table>](#), [<else>](#), [](#), [<footer>](#), [<foreach>](#), [<header>](#), [<i>](#), [<if>](#), [<import>](#), [<index>](#), [<log>](#), [<macro>](#), [<new-page>](#), [<p>](#), [<paragraph>](#), [<phrase>](#), [<print-table>](#), [<set-property>](#), [](#), [<sub>](#), [<super>](#), [<switch>](#), [<table>](#), [<table-header>](#), [<td>](#), [<th>](#), [<toc>](#), [<u>](#)

<viewer-preferences> tag

Defines the viewer preferences for the generated document.

supported attributes:

center-window: Tells whether or not to use the center window option.

direction: Defines the view direction.
Legal values are: 'L2R', 'R2L'

display-doc-title: Tells whether or not to display the document title.

fit-window: Tells whether or not to use the fit window option.

full-screen: Tells whether or not to display the document in full screen mode.

hide-menubar: Tells whether or not to hide the viewer's menu bar.

hide-toolbar: Tells whether or not to hide the viewer's tool bar.

hide-window-ui: Tells whether or not to hide the viewer's user interface.

id: The unique identifier of the item.

non-full-screen-page- Defines the page mode for non full screen mode.

mode: Legal values are: 'SinglePage', 'OneColumn', 'TwoColumnLeft', 'TwoColumnRight'

page-layout: Defines the page layout.

Legal values are: 'SinglePage', 'OneColumn', 'TwoColumnLeft', 'TwoColumnRight'

page-mode: Defines the page mode for non full screen viewer mode.

Legal values are: 'UseNone', 'UseOutlines', 'UseThumbs',
'UseOutlines|UseThumbs'

zoom: Tells what zoom level needs to be set when pdf is opened. Any value given is multiplied by 100. So the % should be 0.0 to 1.0

supported child tags:

<watermark> tag

Inserts a watermark into the document. Watermarks might be images, which gets loaded by the resource loader, which is specified at the document handler, or are generated from the text, defined by the tag's body.

supported attributes:

- class:** The name of the style class to use (see style-def tag).
- draw-foreground:** Tells whether to draw the image in the foreground or in the background.
- font:** The name of the font definition to use.
- halign:** The image's horizontal alignment (left|right|center).
Aliases: *'align'*
- halign:** The image's horizontal alignment (left|right|center).
Aliases: *'align'*
- height:** The image height, if no width is given, the image width is scaled with the same factor to keep the image proportions.
- id:** The unique identifier of the item.
- page:** The page from the source to use as image, this is currently only supported for PDF documents.
- rendered:** Rules, whether or not the given element is actually rendered.
- rotate:** The rotation angle.
- scale-to-fit:** Tells whether to scale the image to fit the given width and height by keeping the original aspect ratio.
- source:** The image source can be the path to the image to load via ResourceLoader or an expression that resolves to an java.awt.Image or an com.lowagie.text.Image instance.
- style:** The attribute style definition to use (eg. 'border-width:10; border-color: red; padding: 10;...').
- valign:** The image's vertical alignment (top|bottom|middle).
- width:** The image width, if no height is given, the image height is scaled with the same factor to keep the image proportions.
- x:** The horizontal position, needed for absolute positioning. In case you've specified a negative value, the image will be placed relative to the right page border
- y:** The vertical position, needed for absolute positioning. In case you've specified a negative value, the image will be placed relative to the top page border

supported style attributes, to be parsed from the 'style' attribute or inherited from the style class:

- draw-foreground:** Tells whether to draw the image in the foreground or in the background.
- font-name:** The name of the font definition.
- horizontal-align:** Defines the horizontal alignment (left|right|center).
- image-height:** The image height, if no width is given, the image width is scaled with the same factor to keep the image proportions.
- image-scale-to-fit:** Tells whether to scale the image to fit the given width and height by keeping the original aspect ratio.
- image-width:** The image width, if no height is given, the image height is scaled with the same factor to keep the image proportions.
- image-x:** The horizontal position, needed for absolute positioning. In case you've specified a negative value, the image will be placed relative to the right page border
- image-y:** The vertical position, needed for absolute positioning. In case you've specified a negative value, the image will be placed relative to the top page border
- vertical-align:** Defines the vertical alignment (top|bottom|middle).

supported child tags: