

PL/PDF

PL/PDF Row Print

User's Guide

v3.0.0

PL/PDF

Contents

Types	1
t_cell	1
t_row	1
t_pcell	1
t_prow	1
Procedures	2
SetCellWidth	2
SetCell	2
SetCellWidth	2
SetCellHeight	2
SetCellText	2
SetCellBorder	3
SetCellBorderColor	3
SetCellBorderWidth	3
SetCellAlign	3
SetCellVerticalAlignLine	4
SetCellVerticalAlign	4
SetCellFillColor	4
SetCellMaxline	4
SetCellLink	4
SetCellClipping	5
SetCellMinheight	5
SetCellFontFamily	5
SetCellFontStyle	6
SetCellFontSize	6
SetCellFontColor	6
SetCellRotate	6
ParseRow	6
PrintParsedRow	7
SaveCurrentValues	7
RestoreValues	7
Print	7
Row_Print	7
Row_Print2	8
Row_Print2	8
Row_Print3	9
Row_Print3	9
Row_Print4	10
Row_Print4	10
Row_Print4	11
Row_Print4	11
Row_Print4	12
getRowHeight	12

Types

t_cell

Type: record

Description: Contains all properties of the cells.

Version: v2.3.0

Fields :

- width number : Cell width, default: null: minimum cell width.
- height number : Cell height, default: null: minimum cell height.
- text varchar2 : Text, required.
- border varchar2 : Border, default: null: no border.
- border_color plpdf_type.t_color : Border color, default: null: current line color.
- border_width number : Border width, default: null: current line width.
- align varchar2 : Alignment, default: null: 'L'.
- vert_align_line varchar2 : Vertical alignment of text in a line, default: null: 'C'.
- vert_align varchar2 : Vertical alignment of text content (lines), default: null: 'T'.
- fill_color plpdf_type.t_color : Filling color, default: null: no fill.
- maxline number : Maximum number of lines, default: null: no max line.
- link varchar2 : Link, default: null: no link.
- clipping boolean : Clipping mode, default: null: no clipping.
- min_height number : Minimum height, default: null: no min height.
- font_family varchar2 : Font type, default: null: current font family.
- font_style varchar2 : Font style, default: null: current font style.
- font_size number : Font size, default: null: current font size.
- font_color plpdf_type.t_color : Font color, default: null: current font color.
- rotate90 boolean : Rotate cell with 90 degree

t_row

Type: record

Description: Contains all properties of the parsed cells.

Version: v2.5.0

t_pcell

Type: record

Description: Array of t_pcells.

Version: v2.5.0

t_prow

Type: record

Description: Array of t_pcells.

Version: v2.2.1

Procedures

SetCellWidth

Type: Procedure
Description: Initialize the array of the cells.
Version: v2.2.1
Parameters:
- p_row t_row: All properties of the row.
Return: -

SetCell

Type: Procedure
Description: Sets the cell into the indexed place.
Version: v2.2.1
Parameters:
- p_row t_row: All properties of the row.
- p_cell_index pls_integer: Index of the cell.
- p_cell t_cell: Cell.
Return: -

SetCellWidth

Type: Procedure
Description: Sets the width of the indexed cell.
Version: v2.2.1
Parameters:
- p_row t_row: All properties of the row.
- p_cell_index pls_integer: Index of the cell.
- p_width number: Width of the cell.
Return: -

SetCellHeight

Type: Procedure
Description: Sets the height of the indexed cell.
Version: v2.2.1
Parameters:
- p_row t_row: All properties of the row.
- p_cell_index pls_integer: Index of the cell.
- p_height number: Height of the cell.
Return: -

SetCellText

Type: Procedure
Description: Sets the text of the indexed cell.
Version: v2.2.1
Parameters:

- p_row t_row : All properties of the row.
- p_cell_index pls_integer : Index of the cell.
- p_text varchar2 : Text.

Return : -

SetCellBorder

Type: Procedure

Description: Sets the border of the indexed cell.

Version: v2.2.1

Parameters :

- p_row t_row : All properties of the row.
- p_cell_index pls_integer : Index of the cell.
- p_border varchar2 : Border.

Return : -

SetCellBorderColor

Type: Procedure

Description: Sets the border color of the indexed cell.

Version: v2.2.1

Parameters :

- p_row t_row : All properties of the row.
- p_cell_index pls_integer : Index of the cell.
- p_border_color plpdf_type.t_color : Border color.

Return : -

SetCellBorderWidth

Type: Procedure

Description: Sets the border width of the indexed cell.

Version: v2.2.1

Parameters :

- p_row t_row : All properties of the row.
- p_cell_index pls_integer : Index of the cell.
- p_border_width number : Border width.

Return : -

SetCellAlign

Type: Procedure

Description: Sets the alingment of the indexed cell.

Version: v2.2.1

Parameters :

- p_row t_row : All properties of the row.
- p_cell_index pls_integer : Index of the cell.
- p_align varchar2 : Alignment of the cell.
 - o L: left (default)
 - o R: right
 - o C: center
 - o J: justified

Return : -

SetCellVerticalAlignLine

Type: Procedure

Description: Sets the vertical alingment of the indexed cell text in lines.

Version: v2.3.0

Parameters :

- p_row t_row : All properties of the row.
- p_cell_index pls_integer : Index of the cell.
- p_vert_align_line varchar2 : Vertical alignment of the cell's line.
 - o C: center (default)
 - o T: top
 - o B: bottom

Return : -

SetCellVerticalAlign

Type: Procedure

Description: Sets the vertical alingment of the indexed cell.

Version: v2.3.0

Parameters :

- p_row t_row : All properties of the row.
- p_cell_index pls_integer : Index of the cell.
- p_vert_align_line varchar2 : Vertical alignment of the cell's line.
 - o T: top (default)
 - o C: center
 - o B: bottom

Return : -

SetCellFillColor

Type: Procedure

Description: Sets the fill color of the indexed cell.

Version: v2.2.1

Parameters :

- p_row t_row : All properties of the row.
- p_cell_index pls_integer : Index of the cell.
- p_fill_color plpdf_type.t_color : Fill color.

Return : -

SetCellMaxline

Type: Procedure

Description: Sets the maximum number of lines in the indexed cell.

Version: v2.2.1

Parameters :

- p_row t_row : All properties of the row.
- p_cell_index pls_integer : Index of the cell.
- p_maxline number : Maximum number of lines in a multi-line cell.

Return : -

SetCellLink

Type: Procedure

Description: Sets the link of the indexed cell.

Version: v2.2.1

Parameters:

- p_row t_row: All properties of the row.
- p_cell_index pls_integer: Index of the cell.
- p_link varchar2: Link of the cell.

Return: -

SetCellClipping

Type: Procedure

Description: Sets the clipping mode of the indexed cell.

Version: v2.2.1

Parameters:

- p_row t_row: All properties of the row.
- p_cell_index pls_integer: Index of the cell.
- p_clipping boolean: Clipping text.
 - o 0: no clipping
 - o 1: clipping

Return: -

SetCellMinheight

Type: Procedure

Description: Sets the minimum height of the indexed cell.

Version: v2.2.1

Parameters:

- p_row t_row: All properties of the row.
- p_cell_index pls_integer: Index of the cell.
- p_min_height number: Minimum height.

Return: -

SetCellFontFamily

Type: Procedure

Description: Sets the font type of the indexed cell.

Version: v2.2.1

Parameters:

- p_row t_row: All properties of the row.
- p_cell_index pls_integer: Index of the cell.
- p_font_family varchar2: Font family.
 - o Helvetica (Arial, Sans Serif)
 - o Courier
 - o Times (Serif)
 - o Symbol
 - o ZapfDingBats
 - o If TTF fonts were added using the AddTTF procedure then they may be used here as well.

Return : -

SetCellFontStyle

Type: Procedure

Description: Sets the font style of the indexed cell.

Version: v2.2.1

Parameters :

- p_row t_row : All properties of the row.
- p_cell_index pls_integer : Index of the cell.
- p_font_style varchar2 : Font style.
 - o null: Regular
 - o B: Bold
 - o I: Italic
 - o U: Underline
 - o The styles may be combined (i.e. BI will be Bold and Italic)

Return : -

SetCellFontSize

Type: Procedure

Description: Sets the font size of the indexed cell.

Version: v2.2.1

Parameters :

- p_row t_row : All properties of the row.
- p_cell_index pls_integer : Index of the cell.
- p_font_size number : Font size.

Return : -

SetCellFontColor

Type: Procedure

Description: Sets the font color of the indexed cell.

Version: v2.2.1

Parameters :

- p_row t_row : All properties of the row.
- p_cell_index pls_integer : Index of the cell.
- p_font_color plpdf_type.t_color : Font color.

Return : -

SetCellRotate

Type: Procedure

Description: Sets the rotate (90 degree) of the indexed cell.

Version: v2.3.0

Parameters :

- p_row t_row : All properties of the row.
- p_cell_index pls_integer : Index of the cell.

Return : -

ParseRow

PL/PDF

Type: Function

Description: Parse a row and calculate dimension of a row for PDF printing.

Version: v3.0.0

Parameters:

- p_row t_row: All properties of the row.
- p_h in out number: Return maximum height's value
- p_use_cell_margins boolean default true: If true then calculates with cell margins

Return: parsed row

PrintParsedRow

Type: Procedure

Description: Print a parsed row, see [ParseRow](#).

Version: v2.5.0

Parameters:

- p_prow t_prow: Parsed row properties
- p_h number: maximum height

Return: -

SaveCurrentValues

Type: Procedure

Description: Save all text printing settings

Version: v2.5.0

Parameters: -

Return: -

RestoreValues

Type: Procedure

Description: Restore all text printing settings

Version: v2.5.0

Parameters: -

Return: -

Print

Type: Procedure

Description: Prints a full row in the PDF document. The rows consist of multi-line cells. The row's height is set according to the largest cell. This procedure sequence of: SaveCurrentValues, ParseRow, CheckPageBreak, PrintParsedRow, RestoreValues.

Version: v2.9.0

Parameters:

- p_row t_row: All properties of the row.
- p_CheckPageBreak boolean default true: Issues CheckPageBreak procedure or not

Return: -

Row_Print

PL/PDF

Type: Procedure

Description: Prints a full row in the PDF document. The rows consist of multi-line cells. The row's height is set according to the largest cell.

Version: v2.2.1

Parameters:

- p_data plpdf_type.t_row_datas: Data shown in the cells
- p_width plpdf_type.t_row_widths: Width of the cells
- p_align plpdf_type.t_row_aligns: Alignment of the cells
- p_h number default 5: Height of the cells
- p_fill boolean default false: Fill
 - o false: no fill
 - o true: fill with current fill color
- p_min_height number default 0: Minimal height of row, 0 means that this parameter is not used
- p_clipping boolean default false: Clipping text
 - o false: no clipping
 - o true: clipping

Return: -

Row_Print2

Type: Procedure

Description: Prints a full row in the PDF document. The rows consist of multi-line cells. The row's height is set according to the largest cell.

Version: v2.2.1

Parameters:

- p_data plpdf_type.t_row_datas: Data shown in the cells
- p_border plpdf_type.t_row_borders: Border array of the cells
- p_width plpdf_type.t_row_widths: Width of the cells
- p_align plpdf_type.t_row_aligns: Alignment of the cells
- p_style plpdf_type.t_row_styles: Style of the cells
- p_maxline plpdf_type.t_row_maxlines: Maximum number of lines in a multi-line cell
- p_h number default 5: Height of the cells
- p_fill boolean default false: Fill
 - o false: no fill
 - o true: fill with current fill color
- p_min_height number default 0: Minimal height of row, 0 means that this parameter is not used
- p_clipping boolean default false: Clipping text
 - o false: no clipping
 - o true: clipping

Return: -

Row_Print2

Type: Procedure

Description: Prints a full row in the PDF document. The rows consist of multi-line cells. The row's height is set according to the largest cell.

Version: v2.2.1

Parameters:

PL/PDF

- p_data plpdf_type.t_row_datas : Data shown in the cells
- p_border plpdf_type.t_row_borders : Border array of the cells
- p_width plpdf_type.t_row_widths : Width of the cells
- p_align plpdf_type.t_row_aligns : Alignment of the cells
- p_style plpdf_type.t_row_styles : Style of the cells
- p_maxline plpdf_type.t_row_maxlines : Maximum number of lines in a multi-line cell
- p_h number default 5 : Height of the cells
- p_fill Plpdf_Type.t_row_filles : Fill colors
- p_min_height number default 0 : Minimal height of row, 0 means that this parameter is not used
- p_clipping boolean default false : Clipping text
 - o 0: no clipping
 - o 1: clipping

Return : -

Row_Print3

Type: Procedure

Description: Prints a full row in the PDF document. The rows consist of multi-line cells. The row's height is set according to the largest cell.

Version: v2.2.1

Parameters :

- p_data plpdf_type.t_row_datas : Data shown in the cells
- p_border plpdf_type.t_row_borders : Border array of the cells
- p_width plpdf_type.t_row_widths : Width of the cells
- p_align plpdf_type.t_row_aligns : Alignment of the cells
- p_style plpdf_type.t_row_styles : Style of the cells
- p_maxline plpdf_type.t_row_maxlines : Maximum number of lines in a multi-line cell
- p_links plpdf_type.t_row_links : Links of the cells
- p_h number default 5 : Height of the cells
- p_fill boolean default false : Fill
 - o false: no fill
 - o true: fill with current fill color
- p_min_height number default 0 : Minimal height of row, 0 means that this parameter is not used
- p_clipping boolean default false : Clipping text
 - o false: no clipping
 - o true: clipping

Return : -

Row_Print3

Type: Procedure

Description: Prints a full row in the PDF document. The rows consist of multi-line cells. The row's height is set according to the largest cell.

Version: v2.2.1

Parameters :

- p_data plpdf_type.t_row_datas : Data shown in the cells
- p_border plpdf_type.t_row_borders : Border array of the cells

PL/PDF

- p_width plpdf_type.t_row_widths : Width of the cells
- p_align plpdf_type.t_row_aligns : Alignment of the cells
- p_style plpdf_type.t_row_styles : Style of the cells
- p_maxline plpdf_type.t_row_maxlines : Maximum number of lines in a multi-line cell
- p_links plpdf_type.t_row_links : Links of the cells
- p_h number default 5 : Height of the cells
- p_fill Plpdf_Type.t_row_filles : Fill color
- p_min_height number default 0 : Minimal height of row, 0 means that this parameter is not used
- p_clipping boolean default false : Clipping text
 - o false: no clipping
 - o true: clipping

Return : -

Row_Print4

Type: Procedure

Description: Prints a full row in the PDF document. The rows consist of multi-line cells. The row's height is set according to the largest cell.

Version: v2.2.1

Parameters :

- p_data plpdf_type.t_row_datas : Data shown in the cells
- p_width plpdf_type.t_row_widths : Width of the cells
- p_align plpdf_type.t_row_aligns : Alignment of the cells
- p_font plpdf_type.t_row_fonts : Font of the cells (Family is required)
- p_h number default 5 : Height of the cells
- p_fill boolean default false : Fill
 - o false: no fill
 - o true: fill with current fill color
- p_min_height number default 0 : Minimal height of row, 0 means that this parameter is not used
- p_clipping boolean default false : Clipping text
 - o false: no clipping
 - o true: clipping

Return : -

Row_Print4

Type: Procedure

Description: Prints a full row in the PDF document. The rows consist of multi-line cells. The row's height is set according to the largest cell.

Version: v2.2.1

Parameters :

- p_data plpdf_type.t_row_datas : Data shown in the cells
- p_border plpdf_type.t_row_borders : Border array of the cells
- p_width plpdf_type.t_row_widths : Width of the cells
- p_align plpdf_type.t_row_aligns : Alignment of the cells
- p_font plpdf_type.t_row_fonts : Font of the cells (Family is required)
- p_maxline plpdf_type.t_row_maxlines : Maximum number of lines in a multi-line cell

PL/PDF

- p_h number default 5 : Height of the cells
- p_fill boolean default false : Fill
 - o false: no fill
 - o true: fill with current fill color
- p_min_height number default 0 : Minimal height of row, 0 means that this parameter is not used
- p_clipping boolean default false : Clipping text
 - o false: no clipping
 - o true: clipping

Return : -

Row_Print4

Type: Procedure

Description: Prints a full row in the PDF document. The rows consist of multi-line cells. The row's height is set according to the largest cell.

Version: v2.2.1

Parameters :

- p_data plpdf_type.t_row_datas : Data shown in the cells
- p_border plpdf_type.t_row_borders : Border array of the cells
- p_width plpdf_type.t_row_widths : Width of the cells
- p_align plpdf_type.t_row_aligns : Alignment of the cells
- p_font plpdf_type.t_row_fonts : Font of the cells (Family is required)
- p_maxline plpdf_type.t_row_maxlines : Maximum number of lines in a multi-line cell
- p_links plpdf_type.t_row_links : Links of the cells
- p_h number default 5 : Height of the cells
- p_fill boolean default false : Fill
 - o false: no fill
 - o true: fill with current fill color
- p_min_height number default 0 : Minimal height of row, 0 means that this parameter is not used
- p_clipping boolean default false : Clipping text
 - o false: no clipping
 - o true: clipping

Return : -

Row_Print4

Type: Procedure

Description: Prints a full row in the PDF document. The rows consist of multi-line cells. The row's height is set according to the largest cell.

Version: v2.2.1

Parameters :

- p_data plpdf_type.t_row_datas : Data shown in the cells
- p_border plpdf_type.t_row_borders : Border array of the cells
- p_width plpdf_type.t_row_widths : Width of the cells
- p_align plpdf_type.t_row_aligns : Alignment of the cells
- p_font plpdf_type.t_row_fonts : Font of the cells (Family is required)
- p_maxline plpdf_type.t_row_maxlines : Maximum number of lines in a multi-line cell

PL/PDF

- p_h number default 5 : Height of the cells
- p_fill Plpdf_Type.t_row_filles : Fill color
- p_min_height number default 0 : Minimal height of row, 0 means that this parameter is not used
- p_clipping boolean default false : Clipping text
 - o false: no clipping
 - o true: clipping

Return : -

Row_Print4

Type: Procedure

Description: Prints a full row in the PDF document. The rows consist of multi-line cells. The row's height is set according to the largest cell.

Version: v2.2.1

Parameters :

- p_data plpdf_type.t_row_datas : Data shown in the cells
- p_border plpdf_type.t_row_borders : Border array of the cells
- p_width plpdf_type.t_row_widths : Width of the cells
- p_align plpdf_type.t_row_aligns : Alignment of the cells
- p_font plpdf_type.t_row_fonts : Font of the cells (Family is required)
- p_maxline plpdf_type.t_row_maxlines : Maximum number of lines in a multi-line cell
- p_links plpdf_type.t_row_links : Links of the cells
- p_h number default 5 : Height of the cells
- p_fill Plpdf_Type.t_row_filles : Fill colors
- p_min_height number default 0 : Minimal height of row, 0 means that this parameter is not used
- p_clipping boolean default false : Clipping text
 - o false: no clipping
 - o true: clipping

Return : -

getRowHeight

Type: Function

Description: Returns with height of row, see [Row_Print2](#).

Version: v1.1.3

Parameters :

- p_data plpdf_type.t_row_datas : Data shown in the cells
- p_width plpdf_type.t_row_widths : Width of the cells
- p_maxline plpdf_type.t_row_maxlines : Maximum number of lines in a multi-line cell
- p_h number default 5 : Height of the cells

Return : number : Height of row