

***PL/PDF***

**PL/PDF Cell**  
User's Guide  
v4.4.0

# ***PL/PDF***

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## **PL/PDF Cell package**

PL/PDF Cell printing package.

## **init**

Type: Procedure  
Description: Initializes (reset) program variables.  
Version: v3.0.0  
Parameters: -  
Return: -

## **setLastCellHeight**

Type: Procedure  
Description: Set last cell height global variable.  
Version: v3.0.0  
Parameters:  
- p\_height number default null: Height of the line break.  
Return: -

## **getLastCellHeight**

Type: Function  
Description: Get last cell height global variable.  
Version: v3.0.0  
Parameters: -  
Return: number: Height of line break

## **setMargin**

Type: Procedure  
Description: Sets the cell margin size.  
Version: v3.0.0  
Parameters:  
- p\_margin number: Margin size  
Return: -

## **getMargin**

Type: Function  
Description: Gets the cell margin size.  
Version: v3.0.0  
Parameters: -  
Return: number: Margin size

## **setLeftMargin**

Type: Procedure  
Description: Sets the cell left margin size.  
Version: v3.0.0  
Parameters:  
- p\_margin number: Margin size  
Return: -

## setRightMargin

Type: Procedure

Description: Sets the cell right margin size.

Version: v3.0.0

Parameters:

- p\_margin number: Margin size

Return: -

## setTopMargin

Type: Procedure

Description: Sets the cell top margin size.

Version: v3.0.0

Parameters:

- p\_margin number: Margin size

Return: -

## setBottomMargin

Type: Procedure

Description: Sets the cell bottom margin size.

Version: v3.0.0

Parameters:

- p\_margin number: Margin size

Return: -

## getLeftMargin

Type: Function

Description: Gets the cell left margin size.

Version: v3.0.0

Parameters: -

Return: number: Size of left margin

## getRightMargin

Type: Function

Description: Gets the cell right margin size.

Version: v3.0.0

Parameters: -

Return: number: Size of right margin

## getTopMargin

Type: Function

Description: Gets the cell top margin size.

Version: v3.0.0

Parameters: -

Return: number: Size of top margin

## **getBottomMargin**

Type: Function  
Description: Gets the cell bottom margin size.  
Version: v3.0.0  
Parameters: -  
Return: number: Size of bottom margin

## **setBorderColor**

Type: Procedure  
Description: Sets the cell border color.  
Version: v3.0.0  
Parameters:  
- p\_color plpdf\_type.t\_color: Border color  
Return: -

## **getBorderColor**

Type: Function  
Description: Gets the cell border color.  
Version: v3.0.0  
Parameters: -  
Return: plpdf\_type.t\_color: Border color

## **setLeftBorderColor**

Type: Procedure  
Description: Sets the cell left border color.  
Version: v3.0.0  
Parameters:  
- p\_color plpdf\_type.t\_color: Border color  
Return: -

## **setRightBorderColor**

Type: Procedure  
Description: Sets the cell right border color.  
Version: v3.0.0  
Parameters:  
- p\_color plpdf\_type.t\_color: Border color  
Return: -

## **setTopBorderColor**

Type: Procedure  
Description: Sets the cell top border color.  
Version: v3.0.0  
Parameters:  
- p\_color plpdf\_type.t\_color: Border color  
Return: -

# PL/PDF

## setBottomBorderColor

Type: Procedure  
Description: Sets the cell bottom border color.  
Version: v3.0.0  
Parameters:  
- p\_color plpdf\_type.t\_color : Border color  
Return: -

## getLeftBorderColor

Type: Function  
Description: Gets the cell left border color.  
Version: v3.0.0  
Parameters: -  
Return: plpdf\_type.t\_color : Border color

## getRightBorderColor

Type: Function  
Description: Gets the cell right border color.  
Version: v3.0.0  
Parameters: -  
Return: plpdf\_type.t\_color : Border color

## getTopBorderColor

Type: Function  
Description: Gets the cell top border color.  
Version: v3.0.0  
Parameters: -  
Return: plpdf\_type.t\_color : Border color

## getBottomBorderColor

Type: Function  
Description: Gets the cell bottom border color.  
Version: v3.0.0  
Parameters: -  
Return: plpdf\_type.t\_color : Border color

## setBorderWidth

Type: Procedure  
Description: Sets the cell border width.  
Version: v3.0.0  
Parameters:  
- p\_width number : Border width  
Return: -

## getBorderWidth



Type: Function  
Description: Gets the cell border width.  
Version: v3.0.0  
Parameters: -  
Return: plpdf\_type.t\_color: Border color

## setLeftBorderWidth

Type: Procedure  
Description: Sets the cell left border width.  
Version: v3.0.0  
Parameters:  
- p\_width number: Border width  
Return: -

## setRightBorderWidth

Type: Procedure  
Description: Sets the cell right border width.  
Version: v3.0.0  
Parameters:  
- p\_width number: Border width  
Return: -

## setTopBorderWidth

Type: Procedure  
Description: Sets the cell top border width.  
Version: v3.0.0  
Parameters:  
- p\_width number: Border width  
Return: -

## setBottomBorderWidth

Type: Procedure  
Description: Sets the cell bottom border width.  
Version: v3.0.0  
Parameters:  
- p\_width number: Border width  
Return: -

## getLeftBorderWidth

Type: Function  
Description: Gets the cell left border width.  
Version: v3.0.0  
Parameters: -  
Return: number: Border width

## getRightBorderWidth

Type: Function  
Description: Gets the cell right border width.  
Version: v3.0.0  
Parameters: -  
Return: number : Border width

## **getTopBorderWidth**

Type: Function  
Description: Gets the cell top border width.  
Version: v3.0.0  
Parameters: -  
Return: number : Border width

## **getBottomBorderWidth**

Type: Function  
Description: Gets the cell bottom border width.  
Version: v3.0.0  
Parameters: -  
Return: number : Border width

## **setPadding**

Type: Procedure  
Description: Sets the cell padding.  
Version: v3.0.0  
Parameters:  
- p\_padding number : Padding width  
Return: -

## **getPadding**

Type: Function  
Description: Gets the cell padding width.  
Version: v3.0.0  
Parameters: -  
Return: number : Padding width

## **setLeftPadding**

Type: Procedure  
Description: Sets the cell left padding.  
Version: v3.0.0  
Parameters:  
- p\_padding number : Padding width  
Return: -

## **setRightPadding**

Type: Procedure

Description: Sets the cell right padding.

Version: v3.0.0

Parameters:

- p\_padding number: Padding width

Return: -

## setTopPadding

Type: Procedure

Description: Sets the cell top padding.

Version: v3.0.0

Parameters:

- p\_padding number: Padding width

Return: -

## setBottomPadding

Type: Procedure

Description: Sets the cell bottom padding.

Version: v3.0.0

Parameters:

- p\_padding number: Padding width

Return: -

## getLeftPadding

Type: Function

Description: Gets the cell left padding width.

Version: v3.0.0

Parameters: -

Return: number: Padding width

## getRightPadding

Type: Function

Description: Gets the cell right padding width.

Version: v3.0.0

Parameters: -

Return: number: Padding width

## getTopPadding

Type: Function

Description: Gets the cell top padding width.

Version: v3.0.0

Parameters: -

Return: number: Padding width

## getBottomPadding

Type: Function

# PL/PDF

Description: Gets the cell bottom padding width.

Version: v3.0.0

Parameters: -

Return: number: Padding width

## setBackgroundcolor

Type: Procedure

Description: Sets the cell background color.

Version: v3.0.0

Parameters:

- p\_color plpdf\_type.t\_color: Background color

Return: -

## getBackgroundColor

Type: Function

Description: Gets the cell background color.

Version: v3.0.0

Parameters: -

Return: plpdf\_type.t\_color: Background color

## setFontName

Type: Procedure

Description: Sets the cell font name.

Version: v3.0.0

Parameters:

- p\_fontname varchar2: Font Name, see PL/PDF fonts

Return: -

## setFontSize

Type: Procedure

Description: Sets the cell font size.

Version: v3.0.0

Parameters:

- p\_size number: Font Size, see PL/PDF fonts

Return: -

## setFontBold

Type: Procedure

Description: Sets the cell font bold property.

Version: v4.2.0

Parameters:

- p\_bold boolean default true: Bold or not bold

Return: -

## setFontItalic

# PL/PDF

Type: Procedure

Description: Sets the cell font italic property.

Version: v4.2.0

Parameters:

- p\_italic boolean default true: Italic or not italic

Return: -

## setFontUnderline

Type: Procedure

Description: Sets the cell font underline property.

Version: v4.2.0

Parameters:

- p\_underline boolean default true: Underline or not underline

Return: -

## getFontName

Type: Function

Description: Gets the cell font name.

Version: v3.0.0

Parameters: -

Return: varchar2: Font name

## getFontSize

Type: Function

Description: Gets the cell font size.

Version: v3.0.0

Parameters: -

Return: number: Font size

## getFontBold

Type: Function

Description: Gets the cell font bold property.

Version: v3.0.0

Parameters: -

Return: boolean: Font is bold or not

## getFontItalic

Type: Function

Description: Gets the cell font italic property.

Version: v3.0.0

Parameters: -

Return: boolean: Font is italic or not

## getFontUnderline

Type: Function

# PL/PDF

Description: Gets the cell font underline property.

Version: v3.0.0

Parameters: -

Return: boolean: Font is underlined or not

## setTextColor

Type: Procedure

Description: Sets the cell text color.

Version: v3.0.0

Parameters:

- p\_color plpdf\_type.t\_color: Text color

Return: -

## getTextColor

Type: Function

Description: Gets the cell text color property.

Version: v3.0.0

Parameters: -

Return: plpdf\_type.t\_color: The text color

## PrintCell

Type: Procedure

Description: Draws a rectangle cell with text inside. The rectangle is similar as CSS box model.

Version: v3.0.0

Parameters:

- p\_width number default null: Rectangle width, null: uses minimum cell width
- p\_height number default null: Rectangle height, null: uses minimum cell height
- p\_text varchar2: Text of the cell
- p\_link varchar2 default null: Hyperlink or internal link of the cell
- p\_align varchar2 default plpdf3.c\_left: Text alignment in cell
  - o plpdf3.c\_left: left
  - o plpdf3.c\_right: right
  - o plpdf3.c\_center: center
  - o plpdf3.c\_justified: justified
- p\_vert\_align varchar2 default plpdf3.c\_center: Text vertical alignment in cell
  - o plpdf3.c\_center: center
  - o plpdf3.c\_top: top
  - o plpdf3.c\_bottom: bottom
- p\_indent number default 0: Indentation of the text
- p\_ln number default plpdf\_const.beside: Cursor position after the cell is printed
  - o plpdf\_const.beside: Beside the cell
  - o plpdf\_const.newline: New line
  - o plpdf\_const.under: Under the cell

Return: -

## printMultilineCell

Type: Procedure

Description: Draws a rectangle cell with multiline text inside. The rectangle is similar as CSS box model.

Version: v3.0.0

Parameters:

- p\_width number default null: Rectangle width, null: uses minimum cell width
- p\_height number default null: Rectangle height, null: uses minimum cell height
- p\_text varchar2: Text of the cell
- p\_link varchar2 default null: Hyperlink or internal link of the cell
- p\_align varchar2 default plpdf3.c\_left: Text alignment in cell
  - o plpdf3.c\_left: left
  - o plpdf3.c\_right: right
  - o plpdf3.c\_center: center
- p\_vert\_align varchar2 default plpdf3.c\_center: Text vertical alignment in cell
  - o plpdf3.c\_center: center
  - o plpdf3.c\_top: top
  - o plpdf3.c\_bottom: bottom
- p\_indent number default 0: First line indent
- p\_ln number default plpdf\_const.beside: Cursor position after the cell is printed
  - o plpdf\_const.beside: Beside the cell
  - o plpdf\_const.newline: New line
  - o plpdf\_const.under: Under the cell

Return: -

## printImageCell

Type: Procedure

Description: Draws a rectangle cell with image inside. The rectangle is similar as CSS box model.

Version: v3.0.0

Parameters:

- p\_width number default null: Rectangle width, null: uses minimum cell width
- p\_height number default null: Rectangle height, null: uses minimum cell height
- p\_name varchar2: name of image
- p\_data blob: image
- p\_img\_width number default null: Image width, null: uses original image width
- p\_img\_height number default null: Image height, null: uses original image height
- p\_link varchar2 default null: Hyperlink or internal link of the cell
- p\_align varchar2 default plpdf3.c\_left: Text alignment in cell
  - o plpdf3.c\_left: left
  - o plpdf3.c\_right: right
  - o plpdf3.c\_center: center
- p\_vert\_align varchar2 default plpdf3.c\_center: Text vertical alignment in

- cell
- o plpdf3.c\_center: center
- o plpdf3.c\_top: top
- o plpdf3.c\_bottom: bottom
- p\_ln number default plpdf\_const.beside: Cursor position after the cell is printed
- o plpdf\_const.beside: Beside the cell
- o plpdf\_const.newline: New line
- o plpdf\_const.under: Under the cell

Return: -

## crCell

Type: Function

Description: Creates cell for plpdf\_row.addCell procedure.

Version: v3.0.0

Parameters:

- p\_width number default null: Rectangle width, null: uses minimum cell width
- p\_height number default null: Rectangle height, null: uses minimum cell height
- p\_text varchar2: Text of the cell
- p\_link varchar2 default null: Hyperlink or internal link of the cell
- p\_align varchar2 default plpdf3.c\_left: Text alignment in cell
  - o plpdf3.c\_left: left
  - o plpdf3.c\_right: right
  - o plpdf3.c\_center: center
  - o plpdf3.c\_justified: justified
- p\_vert\_align varchar2 default plpdf3.c\_center: Text vertical alignment in cell
  - o plpdf3.c\_center: center
  - o plpdf3.c\_top: top
  - o plpdf3.c\_bottom: bottom
- p\_ln number default plpdf\_const.beside: Cursor position after the cell is printed
  - o plpdf\_const.beside: Beside the cell
  - o plpdf\_const.newline: New line
  - o plpdf\_const.under: Under the cell
- p\_indent number default 0: Indentation of the text

Return: plpdf\_cell.t\_cell: Returns the created cell

## crCellXhtml

Type: Function

Description: Create XHTML formatted cell. You can use XHTML tag in the text.

Like b - bold, i - italic,

Version: v3.6.0

Parameters:

- p\_width number default null: Rectangle width, null: uses minimum cell width
- p\_height number default null: Rectangle height, null: uses minimum cell height
- p\_text varchar2: Text of the cell



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- p\_vert\_align varchar2 default plpdf3.c\_center : Text vertical alignment in cell
  - o plpdf3.c\_center: center
  - o plpdf3.c\_top: top
  - o plpdf3.c\_bottom: bottom

Return : plpdf\_cell.t\_cell : Returns the created cell

## crImageCell

Type: Function

Description : Creates a rectangle cell with image inside. The rectangle is similar as CSS box model.

Version: v3.0.1

Parameters :

- p\_width number default null : Rectangle width, null: uses minimum cell width
- p\_height number default null : Rectangle height, null: uses minimum cell height
- p\_name varchar2 : name of image
- p\_data blob : image
- p\_img\_width number default null : Image width, null: uses original image width
- p\_img\_height number default null : Image height, null: uses original image height
- p\_link varchar2 default null : Hyperlink or internal link of the cell
- p\_align varchar2 default plpdf3.c\_left : Text alignment in cell
  - o plpdf3.c\_left: left
  - o plpdf3.c\_right: right
  - o plpdf3.c\_center: center
- p\_vert\_align varchar2 default plpdf3.c\_center : Text vertical alignment in cell
  - o plpdf3.c\_center: center
  - o plpdf3.c\_top: top
  - o plpdf3.c\_bottom: bottom

Return : plpdf\_cell.t\_cell : Returns the created cell

## printCode39BarcodeCell

Type: Procedure

Description : Draws a rectangle cell with Code39 barcode inside. The rectangle is similar as CSS box model.

Version: v3.4.0

Parameters :

- p\_width number default null : Rectangle width, null: uses minimum cell width
- p\_height number default null : Rectangle height, null: uses minimum cell height
- p\_data varchar2 : value of the barcode
- p\_gap number default null : gap between barcode and text. null = no print text
- p\_font plpdf3.t\_font default null : print text of font type
- p\_barcode\_width number default null : Barcode width, null: uses cell width
- p\_barcode\_height number default null : Barcode height, null: uses cell height

# PL/PDF

- p\_link varchar2 default null : Hyperlink or internal link of the cell
- p\_align varchar2 default plpdf3.c\_left : Text alignment in cell
  - o plpdf3.c\_left: left
  - o plpdf3.c\_right: right
  - o plpdf3.c\_center: center
- p\_vert\_align varchar2 default plpdf3.c\_center : Text vertical alignment in cell
  - o plpdf3.c\_center: center
  - o plpdf3.c\_top: top
  - o plpdf3.c\_bottom: bottom
- p\_ln number default plpdf\_const.beside : Cursor position after the cell is printed
  - o plpdf\_const.beside: Beside the cell
  - o plpdf\_const.newline: New line
  - o plpdf\_const.under: Under the cell

Return : -

## crCode39BarcodeCell

Type: Function

Description: Creates a rectangle cell with Code39 barcode inside. The rectangle is similar as CSS box model.

Version: v3.4.0

Parameters :

- p\_width number default null : Rectangle width, null: uses minimum cell width
- p\_height number default null : Rectangle height, null: uses minimum cell height
- p\_data varchar2 : value of the barcode
- p\_gap number default null : gap between barcode and text. null = no print text
- p\_font plpdf3.t\_font default null : print text of font type
- p\_barcode\_width number default null : Barcode width, null: uses cell width
- p\_barcode\_height number default null : Barcode height, null: uses cell height
- p\_link varchar2 default null : Hyperlink or internal link of the cell
- p\_align varchar2 default plpdf3.c\_left : Text alignment in cell
  - o plpdf3.c\_left: left
  - o plpdf3.c\_right: right
  - o plpdf3.c\_center: center
- p\_vert\_align varchar2 default plpdf3.c\_center : Text vertical alignment in cell
  - o plpdf3.c\_center: center
  - o plpdf3.c\_top: top
  - o plpdf3.c\_bottom: bottom

Return : plpdf\_cell.t\_cell : Returns the created cell