

PL/PDF

Introduction

PL/PDF Toolkit is a java library with PL/SQL interface for manipulating existing PDF documents.

Certification

GetCertKey

Type: Function

Description: Generates preliminary certification key. This function should be run once when the PL/PDF package is installed. The function generates a string that should be sent to <mailto:info@plpdf.com>. Our representatives will send a certificate key back that should be used as the return value in the `pl_pdf_cert.SetCertKey` function. Parameters: -

Return: varchar2: Preliminary certificate key

Types And Constants

t14font

Type: Subtype, VARHCAR2(30 CHAR)

Description: Standard Type 1 Fonts

The PostScript names of 14 Type 1 fonts, known as the standard fonts. These fonts, or their font metrics and suitable substitution fonts, are required to be available to the viewer application.

t_color

Type: Record

Description: Represents the RGB color triplet.

Fields:

- r number: Value of the red component
- g number: Value of the green component
- b number: Value of the blue component

times-roman

Type: Constant

Value: t_14font: Times-Roman

times_bold

Type: Constant

Value: t_14font: Times-Bold

times_italic

Type: Constant

Value: t_14font: Times-Italic

times_bold_italic

Type: Constant

Value: t_14font: Times-BoldItalic

helvetica

Type: Constant

Value: t_14font: Helvetica

helvetica_bold

Type: Constant

Value: t_14font: Helvetica-Bold

helvetica_oblique

Type: Constant

Value: t_14font: Helvetica-Oblique

helvetica_bold_oblique

Type: Constant

Value: t_14font: Helvetica-BoldOblique

courier

Type: Constant

Value: t_14font: Courier

courier_bold

Type: Constant

Value: t_14font: Courier-Bold

courier_oblique

Type: Constant

Value: t_14font: Courier-Oblique

courier_bold_oblique

Type: Constant

Value: t_14font: Courier-BoldOblique

symbol

Type: Constant

Value: t_14font: Symbol

zapf_dingbats

Type: Constant

Value: t_14font: ZapfDingbats

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Metadata

Type: Record

Description: A PDF document may include general information such as the document's title, author, and creation and modification dates. Such global information about the document itself (as opposed to its content or structure) is called metadata, and is intended to assist in cataloguing and searching for documents in external databases.

Fields:

- Title: The document's title
- Author: The name of the person who created the document
- Subject: The subject of the document
- Creator: If the document was converted to PDF from another format, the name of the application (for example, Adobe FrameMaker®) that created the original document from which it was converted.
- Keywords: Keywords associated with the document
- Producer: If the document was converted to PDF from another format, the name of the application (for example, Acrobat Distiller) that converted it to PDF.
- CreationDate: The date and time the document was created, in human-readable form
- ModDate: The date and time the document was most recently modified, in human-readable form

Merge input

Type: Record

Description: PDF document with some properties.

Fields:

- inputfile: Source PDF file
- password: The owner password of the PDF file (if encrypted).
- overwrite_rect_x: Overwrite rectangle x coordinate
- overwrite_rect_y: Overwrite rectangle y coordinate
- overwrite_rect_w: Overwrite rectangle width
- overwrite_rect_h: Overwrite rectangle height
- overwrite_rect_color: Overwrite rectangle fill color

Merge inputs

Type: Table

Description: Table of Merge input records.

Fields:

- Input record: PDF document with some properties

Functions

Encryption

A PDF document can be encrypted to protect its contents from unauthorized access. Encryption applies to all strings and streams in the document's PDF file, but not to other object types such as integers and boolean values, which are used primarily to convey information about the document's structure rather than its content. Leaving these values unencrypted allows random access to the objects within a document, while encrypting the strings and streams protects the document's substantive contents.

Encrypt40

Type: Function

Description: Encrypt any PDF document using standard PDF 40 RC4 bit encryption.

Version: v2.0.0

Parameters:

- p_inputfile blob: source PDF file
- p_opassword varchar2: the owner password to the PDF file
- p_upassword varchar2 default null: the user password to the PDF file
- p_canextractcontent boolean default false: The user is allowed to copy or otherwise extract text and graphics from the document, including extracting text and graphics (in support of accessibility to disabled users or for other purposes).
- p_canmodify boolean default false: The user is allowed to modify the contents of the document.
- p_canmodifyannotations boolean default false: The user is allowed to add or modify text annotations, fill in interactive form fields, and, if "modify" is also set, create or modify interactive form fields (including signature fields).
- p_canprint boolean default false: The user is allowed to print the document.

Return: blob: result PDF document

Encrypt128

Type: Function

Description: Encrypt any PDF document using standard PDF 128 RC4 bit encryption.

Version: v2.0.0

Parameters:

- p_inputfile blob: source PDF file
- p_opassword varchar2: the owner password to the PDF file
- p_upassword varchar2 default null: the user password to the PDF file
- p_canassemble boolean default false: The user is allowed to assemble the document (insert, rotate, or delete pages and create bookmarks or thumbnail images).
- p_canextractcontent boolean default false: The user is allowed to copy or otherwise extract text and graphics from the document.

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- `p_canextractforaccessibility` boolean default false: The user is allowed to extract text and graphics(in support of accessibility to disabled users or for other purposes).
- `p_canfillinform` boolean default false: The user is allowed to fill in existing interactive form fields(including signature fields)
- `p_canmodify` boolean default false: The user is allowed to modify the contents of the document
- `p_canmodifyannotations` boolean default false: Add or modify text annotations, fill in interactive form fields.
- `p_canprint` boolean default false: Print the document to a representation from which a faithful digital copyof the PDF content could be generated.
- `p_canmodifyprintresolution` boolean default false: The user is not allowed to print in highest quality.

Return: blob: result PDF document

AESEncrypt128

Type: Function

Description: Encrypt any PDF document using standard PDF 128 AES bit encryption.

Version: v2.0.0

Parameters:

- `p_inputfile` blob: source PDF file
- `p_opassword` varchar2: the owner password to the PDF file
- `p_upassword` varchar2 default null: the user password to the PDF file
- `p_canassemble` boolean default false: The user is allowed to assemble the document(insert, rotate, or delete pages and create bookmarks or thumbnail images).
- `p_canextractcontent` boolean default false: The user is allowed to copy or otherwiseextract text and graphics from the document.
- `p_canextractforaccessibility` boolean default false: The user is allowed to extract text and graphics(in support of accessibility to disabled users or for other purposes).
- `p_canfillinform` boolean default false: The user is allowed to fill in existing interactive form fields(including signature fields)
- `p_canmodify` boolean default false: The user is allowed to modify the contents of the document
- `p_canmodifyannotations` boolean default false: Add or modify text annotations, fill in interactive form fields.
- `p_canprint` boolean default false: Print the document to a representation from which a faithful digital copyof the PDF content could be generated.
- `p_canmodifyprintresolution` boolean default false: The user is not allowed to print in highest quality.

Return: blob: result PDF document

PublicKeyEncrypt40

Type: Function

Description: Encrypt any PDF document using standard PDF 40 RC4 bit encryption and public key certificate.

Version: v2.0.0