



PL/PDF Toolkit
User's Guide
v1.0.1



Contents

Introduction	3
Installation	3
Using PL/PDF Toolkit	3
Documentation	3
Code Examples	3
Contact	3
Certification	4
GetCertKey	4
Encryption Commands	5
Encrypt40	5
Encrypt128	5
Decrypt	6
Metadata Commands	7
MetadataFromXML	7
MetadataFromPars	7
MetadataToXML	8
MetadaToRecord	8
Other Commands	9
ExtractText	9
Merge	9
ReplaceUrl	9
JPGStamp	9
JPGWaterMark	10
TextStamp	10
TextWaterMark	11
PDFWatermark	11
Version History	12
01-OCT-2008, v1.0.1	12



Introduction

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

Installation

Before using PL/PDF Toolkit, make sure that the steps described in the Installation Guide were completed.

Using PL/PDF Toolkit

Essentially, PL/PDF Toolkit is a series of calls to PL/PDF procedures and functions from a PL/SQL script, package, procedure or function. If you are not familiar with the PL/SQL programming language, study the Oracle documentation.

Documentation

The PL/PDF Toolkit documentation is available at:

www.plpdf.com/downloads.html

Code Examples

PL/PDF Toolkit code examples can be found at:

<http://plpdf.com/examples.html>

Contact

Contact us at: info@plpdf.com



Certification

GetCertKey

Type: function

Description: Generates preliminary certification key. This function should be run once when the PL/PDF Toolkit package is installed. The function generates a string that should be sent to 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



Encryption Commands

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

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: resulting PDF document

Encrypt128

Type: function

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

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,



including extracting text and graphics (in support of accessibility to disabled users or for other purposes)

- `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: 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
- `p_canprintdegraded` boolean default false: The user is not allowed to print in highest quality

Return: blob: resulting PDF document

Decrypt

Type: function

Description: Decrypt an encrypted (40 or 128 bits) PDF document

Parameters:

- `p_inputfile` blob: source PDF file
- `p_password` varchar2: the owner password to the PDF file

Return: blob: resulting PDF document



Metadata Commands

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.

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.

MetadataFromXML

Type: function

Description: Set PDF metadata from an XML file

Parameters:

- p_inputfile blob: source PDF file
- p_xmlfile blob: metadata XML file
- p_password varchar2 default null: the owner password of the PDF file (if encrypted)

Return: resulting PDF document

MetadataFromPars

Type: function

Description: Set PDF metadata from parameters

Parameters:

- p_inputfile blob: source PDF file
- p_title varchar2 default null: The document's title
- p_author varchar2 default null: The name of the person who created the document
- p_subject varchar2 default null: The subject of the document
- p_creator varchar2 default null: 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
- p_keywords varchar2 default null: Keywords associated with the document



- p_producer varchar2 default null: If the document was converted to PDF from another format, the name of the application (for example, Acrobat Distiller) that converted it to PDF
- p_createtime date default null: The date and time the document was created, in human-readable form
- p_modificationdate date default null: The date and time the document was most recently modified, in human-readable form
- p_password varchar2 default null: the owner password of the PDF file (if encrypted)

Return: resulting PDF document

MetadataToXML

Type: function

Description: Extract PDF metadata into an XML file

Parameters:

- p_inputfile blob: source PDF file
- p_password varchar2 default null: the owner password of the PDF file (if encrypted)

Return: resulting XML document

MetadaToRecord

Type: function

Description: Extract PDF metadata into the t_metadata record

Parameters:

- p_inputfile blob: source PDF file
- p_password varchar2 default null: the owner password of the PDF file (if encrypted)

Return: t_metadata record structure



Other Commands

ExtractText

Type: function

Description: Extract text content of any PDF document

Parameters:

- p_inputfile blob: source PDF file
- p_encoding varchar2 default null: encoding of result text file (case-sensitive) see: <http://java.sun.com/j2se/1.4.2/docs/guide/intl/encoding.doc.html>
- p_startPage number default null: the start page to extract
- p_endPage number default null: the end page to extract
- p_password varchar2: the owner password of the PDF file (if encrypted)

Return: blob: resulting TEXT document

Merge

Type: function

Description: Merge two PDF documents to a new file

Parameters:

- p_inputfile1 blob: source PDF file
- p_inputfile2 blob: source PDF file
- p_password1 varchar2 default null: the owner password of the PDF file (if encrypted)
- p_password2 varchar2 default null: the owner password of the PDF file (if encrypted)

Return: varchar2: resulting PDF document

ReplaceUrl

Type: function

Description: Replace a URL in a PDF document

Parameters:

- p_inputfile blob: source PDF file
- p_p_oldURI varchar2: original URL
- p_newURI varchar2: new URL
- p_password varchar2 default null: the owner password of the PDF file (if encrypted)

Return: varchar2: resulting PDF document

JPGStamp

Type: function



Description: Stamp content into a PDF document with a JPG image

Parameters:

- p_inputfile blob: source PDF file
- p_imagefile blob: JPG image
- p_x number: X coordinate (lower left) for the image, -1:center, -2:right (unit in plpdf_toolkit_par.GetDefaultUOM function)
- p_y number: Y coordinate (lower left) for the image, -1:center: -2:top (unit in plpdf_toolkit_par.GetDefaultUOM function)
- p_width number default -1: Image width, if -1 then the image is displayed in its actual width (unit in plpdf_toolkit_par.GetDefaultUOM function)
- p_height number default -1: Image height, if -1 then the image is displayed in its actual height (unit in plpdf_toolkit_par.GetDefaultUOM function)
- p_password varchar2 default null: the owner password of the PDF file (if encrypted).

Return: varchar2: resulting PDF document

JPGWaterMark

Type: function

Description: Watermark content into a PDF document with a JPG image

Parameters:

- p_inputfile blob: source PDF file
- p_imagefile blob: JPG image
- p_x number: X coordinate (lower left) for the image, -1:center, -2:right (unit in plpdf_toolkit_par.GetDefaultUOM function)
- p_y number: Y coordinate (lower left) for the image, -1:center: -2:top (unit in plpdf_toolkit_par.GetDefaultUOM function)
- p_width number default -1: Image width, if -1 then the image is displayed in its actual width (unit in plpdf_toolkit_par.GetDefaultUOM function)
- p_height number default -1: Image height, if -1 then the image is displayed in its actual height (unit in plpdf_toolkit_par.GetDefaultUOM function)
- p_password varchar2 default null: the owner password of the PDF file (if encrypted).

Return: varchar2: resulting PDF document

TextStamp

Type: function

Description: Stamp content into a PDF document with a text

Parameters:

- p_inputfile blob: source PDF file
- p_message: stamp text (encoding: plpdf_toolkit_par.GetDefaultEncoding)



- p_x number: X coordinate (lower left) for the image, -1:center, -2:right (unit in plpdf_toolkit_par.GetDefaultUOM function)
- p_y number: Y coordinate (lower left) for the image, -1:center: -2:top (unit in plpdf_toolkit_par.GetDefaultUOM function)
- p_font t_14font, -- Standard Base 14 Font
- p_fontSize number, font size in point
- p_color t_color default null: color of text see: http://www.forret.com/tools/color_palette.asp
- p_password varchar2 default null: the owner password of the PDF file (if encrypted).

Return: varchar2: resulting PDF document

TextWaterMark

Type: function

Description: Stamp content into a PDF document with a text

Parameters:

- p_inputfile blob: source PDF file
- p_message: stamp text (encoding: plpdf_toolkit_par.GetDefaultEncoding)
- p_x number: X coordinate (lower left) for the image, -1:center, -2:right (unit in plpdf_toolkit_par.GetDefaultUOM function)
- p_y number: Y coordinate (lower left) for the image, -1:center: -2:top (unit in plpdf_toolkit_par.GetDefaultUOM function)
- p_font t_14font, -- Standard Base 14 Font
- p_fontSize number, font size in point
- p_color t_color default null: color of text see: http://www.forret.com/tools/color_palette.asp
- p_password varchar2 default null: the owner password of the PDF file (if encrypted).

Return: varchar2: resulting PDF document

PDFWatermark

Type: function

Description: Stamp content into a PDF document with a text

Parameters:

- p_inputfile blob: source PDF file
- p_overlayinputfile blob: overlay PDF file
- p_overlaypassword varchar2 default null: the owner password of the PDF file (if encrypted)
- p_password varchar2 default null: the owner password of the PDF file (if encrypted).

Return: varchar2: resulting PDF document



Version History

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