

Isimsoftware Complete PDF

Command-line

By Isimsoftware

User Guide

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Overview

Isimsoftware Complete PDF Command-Line offers some essential PDF conversion options, including:

PDF to TIFF, PNG, GIF, BMP, JPEG, BMP
TIFF, PNG, GIF, BMP, JPEG, BMP to PDF
TIFF, PNG, GIF, BMP, JPEG, BMP from and to TIFF, PNG, GIF, BMP, JPEG, BMP
Appending PDF
Split multipage PDF (serialize)

The application returns an exit code: 0 (zero) on success, otherwise an error code.

Some TIFF and PDF formats may not be supported. Some PDF files may have objects that are not supported. Please make sure that all affected files are safely backed up and that that you review the output.

Demo Version, Unlock Code

When you purchase a license you receive a license code. Enter the license code in the Help -> Register menu of the interactive Complete PDF program.

Command Line Explained

The command line consists of

- a) the path name to the Complete PDF executable file.
- b) the argument string

The path name represents the complete file name of the Isimsoftware Complete PDF program, for example c:\Program Files\Isimsoftware\Isimsoftware PDF Complete\PDFComplete.exe. If you rename or move the file, please note that the PDFComplete.exe file must be in a folder that also includes various dependency files that are installed with the setup. If the path includes spaces you must encapsulate it in quotes.

The argument string consists of several argument elements that specify the exact conversion you want to do. The source file and the destination file are essential. In addition there may be more argument elements, such as the Tiff compression, etc. Each argument element has a header prefix ending with the equal sign (=). There must be no space in front of the equal sign. The prefixes are not case-sensitive. The argument elements are separated by semi-columns. The argument elements can be entered in any order.

Sample of a command line:

C:\somedir\PDFComplete.exe in=c:\dir\file1.tif; out=c:\dir\file1.pdf

```
C:\somedir\PDFComplete.exe in=c:\dir\file1.tif; out=c:\dir\file1.pdf;tiff=4
C:\somedir\PDFComplete.exe in=c:\dir\file1.tif; out=c:\dir\file1.pdf;tiff=4;ow=1;err=0
```

Command Line Arguments

The following argument elements are supported:

in=	Source file
out=	Destination file
tiff=	Optional: TIFF compression code
res=	Resolution for output Tiff
width=	Fixed output width in Inches
ow=	Overwrite existing file, Append to existing file
pw=	User password (limited use)
err=	Display error messages

in=

Source file with complete path. Required entry. The string must NOT be encapsulated in quotes.

Examples:

```
.....;in=c:\somedir\somefile.tif;.....
.....;in=c:\somedir\somefile.pdf;.....
```

out=

Destination file with complete path. Required entry. The string must NOT be encapsulated in quotes. The file name must have one of the following recognized extensions: tif, .pdf, .bmp, .png, .gif, .jpg. The extension determines the output file format.

See Serialization section below for serializing the output files (one file per page)

Examples:

```
.....;out=c:\somedir\somefile.tif;.....
.....;out=c:\somedir\somefile.pdf;.....
```

tiff=

This options specifies the output compression for Tiff files. If the compression should be the same as the compression of the source file, then do not use this option.

- 4 CCITT4 Group 4 Monochrome. Most commonly used for monochrome. Colors will be converted to dithered black and white.
- 3 CCITT3 Group 3 Monochrome. Colors will be converted to dithered black and white.

- 1 LZW Monochrome. Not used often for monochrome; use CCITT4 instead. Colors will be converted to dithered black and white.
- 6 JPEG compressed TIFF (excellent compression for photo-type images)
- 8 LZW compression 8-bit color, good compression for most color images.
- 24 LZW compression for either monochrome or color. Highest quality.

Advanced options:

- 41 CCITT4 multistrip
- 42 CCITT4 fillorder2
- 43 CCITT4 multistrip, fillorder2
- 31 CCITT3 multistrip
- 32 CCITT3 fillorder2
- 33 CCITT3 multistrip, fillorder2

Example:

.....;tiff=4;.....

res=

Optional. Default is 300x300. This option sets the resolution for the output Tiff, Png, Bmp, etc. (not PDF). The higher the resolution the better the quality. The resolution will not change the display dimensions of the output image.

Examples:

.....;in=c:\somedir\somefile.pdf;out=c:\somedir\somefile.tif;res=200;.....

width=

Optional. This option resizes the output file to a fixed width (with proportional height). The value must be entered in Inches. 1 Inch equals 2.54 centimeters.

Examples:

.....;in=c:\somedir\somefile.pdf;out=c:\somedir\somefile.tif;res=200;width=8.25;.....

ow=

By default, generally files are not overwritten or appended to. To change this default, and let files be appended or overwritten, set the 'Ow' property:

Ow=1 Allow overwrite

Ow=2 Append to existing file.

Use with caution and make sure that all files are backed up before you run this program. Always back up your files.

Example:

.....;ow=1;.....

Note: The ow= option is ignored if you use the output serialization. See Serialization section below. Overwrite is not allowed for pdf-to-pdf functions. Append is allowed only for tif-to-tif or pdf-to-pdf functions.

pw=

Specifies the user password for opening PDF files. This option is available only when converting PDF files to non-PDF formats, for example TIFF. Passwords are case-sensitive.

Example:

.....;pw=xyz123z5;.....

err=

By default, if an error is encountered an error message is generally displayed. To change this default so that error messages are not displayed, set the Err to 'err=0'. Errors are always posted to the Error Log. See Error Log section.

Example:

.....;err=0;.....

Serialization (Split Serialize Multipage Files)

TIFF and PDF output files can be multipage files. If you want to serialize the multipage output TIFF or PDF file (one file per page), specify the output file name in the format of xyz[+0001].tif where the inserted number represents the starting serial number. In this example the first file would be named xyz0001.tif, the second file would be named xyz0002.tif, etc. You can add a separator symbol like xyz_[+0001].tif.

If a multipage TIFF or PDF file is converted to a format that does not allow multi-pages, an incrementing serial suffix is automatically added to the file names; however you can also specify your own serial with the [+nnn] method.

Graphics Formats

The following graphics formats are supported:

- TIFF, single page, multi-page. Source and Destination, Tiff-to-Tiff.
- PDF, single page, multi-page. Source and Destination, PDF-to-PDF not supported
CCITT4, CCITT3, JPEG, LZW (1, 8 and 24 bits)
- PNG, single page. Source and Destination, PNG-to-PNG
- GIF, single page. Source and Destination, GIF-to-GIF
- BMP, single page. Source and Destination, BMP-to-BMPp
- JPEG, single page. Source and Destination, JPG-to-JPG

Most TIFF, PDF, PNG, GIF, BMP and JPEG formats (both source and destination) are supported. There may be certain rare formats that are unsupported, that may not convert correctly and may not give an error message. Please always review critical output files, especially when converting from PDFs.

Error Log

Errors generally are posted to in the error log files. You will find the error log files in the C:\Documents and Settings\[User Name]\Application Data\Files\PDFCompleteErrorLog folder. A log file is created each day. You should clear the folder from time to time.

When an error is posted to the error log, a beep is sounded.

Commandline Execution

The commandline is run in one of the following three modes:

1. From the Windows Run command
2. From the Windows Command Prompt
3. With a Batch (.bat) file
4. In a .NET Process (see separate section below)

Sample of a Run command:

```
"C:\Program Files\Ismsoftware\Ismsoftware PDF Complete\PDFComplete.exe"  
in=c:\aaa2\single.tif; out=c:\aaa\test888.pdf; ow=1  
(Quotes around the path are required only if there are spaces in the path name)
```

Sample of a text line in a .bat file:

(Same as the sample for the Run command.)

.NET Process

A simple method to run the Command lines is with a .NET process, as in the following code sample (VB.NET).

Sample Code for converting single file:

```
Dim proc As New Process
proc.StartInfo.FileName = "c:\xxx\PDFComplete.exe"
proc.StartInfo.Arguments = "in=c:\xxx\xxx.tif;out=c:\yyy\yyy.pdf"
proc.Start()
proc.WaitForExit()
Dim exitcode As Integer = proc.ExitCode
```

Sample Code for converting all files in folder and nested subfolders:

```
Sub runit(ByVal dir)
Dim filter As String = "*.tif"
For Each filename As String In IO.Directory.GetFiles(dir, filter)
    Dim proc As New Process
    Dim outfile= io.Path.ChangeExtension(filename, ".pdf")
    proc.StartInfo.FileName = "c:\xxx\PDFComplete.exe"
    proc.StartInfo.Arguments = "in=" & filename & ";out=" & outfile
    proc.Start()
    proc.WaitForExit()
    'Dim exitcode As Integer = proc.ExitCode
    'error handling
Next
For Each subdir As String In IO.Directory.GetDirectories(dir)
    runit(subdir)
Next
End Sub
```

For a complete sample project (in dotNet) and a compiled usable executable please go to www.isimsoftware.com/files.html and download the project.

Exit Codes / Error Codes

The process returns an ExitCode:

0	Success
101	Command line is missing
102	Command line syntax error
103	Source file has not been specified
104	Destination file has not been specified
105	Source file does not exist
106	PDF-to-PDF is not supported
107	Cannot open file. File format is not supported, or file is corrupted or encrypted.
111	Incorrect license code.
200	General error. Error information can be looked up in the Error Log files.
300	File already exists. Overwrite not specified.

Troubleshooting

If the system fails, check the following:

- Go to the Error Log (see Error Log section above) and see if an error log was created. The error log can be found in C:\ The error log will give you some information about the problem. The error log can be found in the C:\Documents and Settings\[User Name]\Application Data\ PDFCompleteErrorLog folder.

- Check the folder that has the PDFComplete.exe file. Make sure that the following three (3) files are also in that same folder:

PDF4NET
PDFRender4NET
TIFFTEK2
(Help_PDFCompleteCommandline.pdf)

- Make sure that the destination folder and file is NOT read-only.

Customization, Source Code

Please contact Isimsoftware. For contact information please go to www.isimsoftware.com

Technical Support

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