

pdfaPilot CLI

Manual

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pdfaPilot command line options

Overview

pdfaPilot may be used to analyse files or to analyse and convert to PDF/A (if possible).

Usually pdfaPilot CLI is started with:

```
pdfaPilot <PDF file>
```

PDF file

May be one or a number of input files to be analysed and converted.

General options

Licensing

--keycode -k

```
pdfaPilot --keycode <name> <company> <keycode>
```

Allows to register the software with a valid keycode.

name name of licensee (for multiple words use surrounding quotes)

company company name (for multiple words use surrounding quotes)

keycode can be obtained from callas software

🔑 To ensure to have sufficient user rights when registering the software on Solaris, Linux and Mac OS platforms the command line call should be invoked using "sudo" (super user password needed):

```
sudo pdfaPilot -k <name> <company> <keycode>
```

Receiving information

--help or -h

```
pdfaPilot --help
```

Displays usage information.

--version

```
pdfaPilot --version
```

Shows the program version.

--status

```
pdfaPilot --status
```

Shows the status information including all possibly used return values.

Cleaning up

--emptyfontcache

```
pdfaPilot --emptyfontcache
```

Removes all font files from the font cache folder of pdfaPilot CLI.

Creating a report

General report options

For each pdfaPilot CLI run several reports may be generated by inserting `--report` or `-r` switches into the pdfaPilot call. Following all options and reporttypes are listed. The options of `--report` are treated case insensitive and have to be separated by commas.

```
pdfaPilot [--report=<reportoptions>,<reportfile>] <input file>
```

When shall a report be generated?

ALWAYS	Always create a report (default)
IFNOPDFA	Create a report only if the file cannot be converted to PDF/A
IFPDFA	Create a report only if the file can be converted to PDF/A

`--language` or `-g`

Defines the language in which the report is generated. Default language is English (en). The language is specified by using a two digit abbreviation. The following values can be used in the standard configuration:

EN	English
DE	German
FR	French
IT	Italian
ES	Spanish
JA	Japanese

Report types and their options

HTML (default)

A html file is created. The format may be modified by combining this option with other options. It can be opened by any webbrowser.

Additional options for HTML reports

All following switches may be simultaneously used in order to add different types of additional content.

NOICONS	Create a report without any images
NOCORRECTIONS	Do not log corrections
NODETAILS	Suppress details for the occurrences
OPENRESULT	All entries in the report are opened in Initial view (closed by default if JavaScript is enabled)

`--linkpath`

HTML reports are generated without exporting referenced objects. This option requires a path (URL) to a folder where the referenced objects reside (Default: folder `"etc\reporttemplate"` in pdfaPilot CLI directory)

Example:

```
--linkpath="file:\\Programme\pdfaPilot\etc\reporttemplate"
```

XML

XML file which is intended to be processed with software (parsers). The scheme of the XML report structure can be found within the xsd-file stored in "`\var\XMLV2 report schema\`".

MHT

A mht file is created. MHT is a data format created by Microsoft which offers the possibility to include all resources (like style sheets, images and JavaScripts) to be included in one file. This file type can only be read by Internet Explorer.

Report path

Full path of report file – the report path must not contain any commas.

Example:

```
--report=HTML,NOICONS,OPENRESULT,C:\Sample.html
```

Customizing your report

If you create a HTML report, you can completely customize it by adapting the CSS-File to your needs. You can even exchange the pictures.

You can find all material used for the HTML reports within the folder "`\etc\reporttemplate`" in your pdfaPilot CLI directory.

Command line output

--noprogess

Switch off progress information.

--nohits

Switch off output of hits (errors, warnings, information).

--nosummary

Switch off summary information.

--timestamp

Show a timestamp for each line of command line output.

Further options

--overwrite

New files override existing files with the same name (applies to report files and to created PDF files).

--profile or -p

Full path to a kfp file (exported from Preflight Adobe Acrobat 8 or 7) defining additional checks, input file is converted if no warnings or errors occur (for more details see section "Analysis").

--quick or -q

Processing is stopped after the first detection of an error in the corrected PDF (only applied if no report is generated)

--onlypdfa

Create an output file only if the file could be converted to PDF/A

--resultpath or -x

Full path to output file (default: input file with suffix _PDF/A or _NOPDF/A)

Structure of command line output**Checks**

Hit	Type of hit	Name of check	[Name of font]	[Name of glyph]
-----	-------------	---------------	----------------	-----------------

1. Hit

- always visible
- keyword

2. Type of hit

- always visible
- possible values: "PDF/A", "Error", "Info", "Warning" (only for additional profile)

3. Name of check

- always visible
- never empty

4. Name of font

- only visible for hits that belong to a font check
- can be empty

5. Name of glyph

- only visible for hits that belong to a font check
- can be empty

Fixups

Corrected	PDF/A	Name of fixup	[Name of font]
-----------	-------	---------------	----------------

1. Corrected

- always visible
- keyword

2. PDF/A

- always visible

3. Name of fixup

- always visible
- never empty

4. Name of font

- only visible for fixups that belong to a font check
- can be empty

Progress

Progress	Value	%
----------	-------	---

Analysis

The included profiles in pdfaPilot analyse the given files for PDF/A compliancy, according to the selected compliancy level.

Default

```
pdfaPilot --analyse --level=<compliance level> <input file>
```

Analyze only

--analyse or -a

The input file is not being converted but is analysed whether it is PDF/A compliant.

PDF/A Compliancy level

--level (default 1b)

You can define which PDF/A level you need, either 1a or 1b (by default it is 1b).

Using additional profiles

To analyse PDF files beyond the PDF/A compliancy to meet your specific needs you can call additional profiles (taken from pdfToolbox 4 CLI, pdfInspektor CLI or the Preflight Plug-in of Adobe Acrobat).

```
pdfaPilot --profile=<profile> <input file>
```

In order to generate, modify or view these profiles you need Adobe Acrobat 8 or 9 Professional (Windows or Macintosh). pdfaPilot is able to work with all profiles set up with the Preflight module of Acrobat or callas pdfToolbox 4. Default profiles of pdfInspektor CLI may as well be used.

In order to use a certain profile you will have to export it as a profile package (*.kfp- or *.kfpX-file).

⚠ Important note: Fixups defined in the profile package are not executed in pdfaPilot! If an additional contains Fixups, they are ignored. Conversions to PDF/X or PDF/A contained in an additional profile are also ignored.

Conversion

Default

pdfaPilot converts the input file always to PDF/A-1b if possible.
You can influence this option with some optional switches.

If you do not use the level switch the processed PDF file is converted to PDF/A-1b and saved next to the input file with either the suffix _PDFA or NO_PDFA.

You can change the conversion level to PDF/A-1a via

```
pdfaPilot --level=1a <input file>
```

You can determine where the file should be saved by using the additional output file argument.

```
pdfaPilot <input file> --resultpath=<output file>
```

Conversion options

PDF/A Compliancy level

--level (default 1b)

Change the PDF/A level (either 1a or 1b).

Changing content

--removeincompatiblexmp

XMP Metadata not compliant with PDF/A is removed

--outputintent or -i

Path to a PDF file with an OutputIntent – forces use of this OutputIntent.

Font Embedding

If a font is not embedded pdfaPilot CLI will search the system's font directories in order to find the needed font file, which are:

Windows:	C:\Windows\Fonts
Macintosh:	/Users/<user>/Library/Fonts
	/Library/Fonts
	/System/Library/Fonts
Linux, Solaris Sparc, Solaris x86, AIX:	/usr/lib/X11/fonts
	/ <u><user home></u> /.fonts

Additionally the font folder installed together with pdfaPilot CLI will be searched. This folder lies next to the executable in "<callas pdfaPilot CLI directory>\etc\APDFL\Resource\Font"

Defining an additional font folder

--fontfolder or -f

Additional folder to look up fonts for embedding.

Example:

```
--fontfolder="C:\AdditionalFonts"
```

- You can force pdfaPilot CLI to only scan the folder defined by `--fontfolder` (and not search the system's font folders) by using the option `--fontonly`.

Font substitution

--substitute or -s

Font substitution can be used when the original fonts used in a PDF file are not available.

Two files will be installed in the \var folder: `fontsubstitution_backup.cfg` which contains the default settings of pdfaPilot, and `fontsubstitution.cfg` which can be overwritten with custom settings. The last one will be used when font substitution is executed, the first one is to recover the default settings if needed.

The following notations are allowed in the `fontsubstitution.cfg`:

SubstituteAll

Each font can be substituted by every other font of the entry.

```
SubstituteAll<tab>fontname<tab>fontname<tab>fontname...
```

SubstituteFirst

Only the first font of the entry can be substituted by the following fonts.

```
SubstituteFirst<tab>font to be substituted<tab>fontname<tab>...
```

Using additional profiles

You can use additional profiles to analyse more aspects but any fixup or conversion feature in these profiles will be ignored.

Please see "Using additional profiles" in section "Analysis" for more details.

Using pdfaPilot with batchfiles or shellscrip

In the pdfaPilot program folder you will find a sample batchfile/shellscrip. If you start this batch/shellscrip you will first see a menu of several example pdfaPilot calls. You may either convert or analyse all PDF files in the sample folder and create different types of reports or see the complete usage information.

Start sample.bat/sample.sh to display the following menu:

```
*****
*
*
*
*   Sample uses of callas pdfaPilot
*   =====
*
*   Please choose one of the options below:
*
*
*   1. Convert all files in "sample files" to PDF/A in the
*      result folder. Create a HTML and a XML report if
*      conversion fails.
*
*   2. Analyse all files in "sample files"
*      and create reports in the result folder.
*
*   8. Show help text
*
*   9. Quit sample.sh
*
*
*****
Enter digit:
```

pdfaPilot return codes

pdfaPilot return codes and their usage

pdfaPilot return codes

-4:	Internal error (subsystem error)
-3:	Internal error (pdfaPilot error)
-2:	Command line error
-1:	Command line syntax error
0:	PDF is a valid PDF/A-file and additional checks without problems
1:	PDF is a valid PDF/A-file but additional checks with problems – severity info
2:	PDF is a valid PDF/A-file but additional checks with problems – severity warning
3:	PDF is a valid PDF/A-file but additional checks with problems – severity error
5:	PDF is not a valid PDF/A-file, additional checks without problems
6:	PDF is not a valid PDF/A-file and additional checks with problems – severity info
7:	PDF is not a valid PDF/A-file and additional checks with problems – severity warning
8:	PDF is not a valid PDF/A-file and additional checks with problems – severity error

With enabled option --analyse

0:	Valid PDF/A file analysed and additional checks without problems
1:	Valid PDF/A file analysed but additional checks with problems – severity info
2:	Valid PDF/A file analysed but additional checks with problems – severity warning
3:	Valid PDF/A file analysed but additional checks with problems – severity error
5:	No Valid PDF/A file and additional checks without problems
6:	No Valid PDF/A file analysed but additional checks with problems – severity info
7:	No Valid PDF/A file analysed but additional checks with problems – severity warning
8:	No Valid PDF/A file analysed but additional checks with problems – severity error

On a windows computer the return code may be accessed by using the system variable "errorlevel", on a Linux/Sun Solaris/Mac OS X computer \$? can be used.

Get in touch

If some necessary information is not provided by this manual or if there are any questions or feedback please contact the product management by sending an e-mail to support@callassoftware.com.

If you file a bug report please make sure your email contains the following information:

- operating system
- pdfaPilot version (call `pdfaPilot --version`)
- command line call
- original PDF (please delete unnecessary pages to avoid long file transfers), used profiles or configuration files
- converted PDF (if available)

You can also visit the support section on www.callassoftware.com to get answers to common questions or find a reseller near you. The latter might be useful if you want to send a support request that is neither in English nor German.