# PDF SPLIT AND MERGE 1.5.0E TUTORIAL

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http://www.pdfsam.org/

# INDEX

# WHAT IS PDFSAM?

PDF Split and Merge is a very simple, easy to use, free, open source utility to split and merge pdf files. It has a simple graphical interface to let the user choose pdf files, split or merge them. Pdfsam is written with Java Swing that is "*a set of Java class libraries provided as part of Java 2 Platform, Standard Edition (J2SE) to support building graphics user interface (GUI) and graphics functionality for client applications that will run on popular platforms such as Microsoft Windows, Linux, and Mac OSX.* "[1]

Pdfsam uses some external libraries such as:

- itext-2.1.4 to manipulate pdf documents.
- dom4j-1.6.1 to deal with the xml format.
- jaxen-1.1 to deal with the xml format.
- pdfsam-jcmdline-1.0.3 to parse and validate console input arguments.
- Looks-2.2.1 to have a nice and changeable look and feel.
- log4j-1.2.15 as log framework.
- bcmail-jdk14-138.jar to deal with encrypted documents.
- bcprov-jdk14-138.jar to deal with encrypted documents.

# WHY PDFSAM?

I needed to merge together some pdf files some years ago and it happened again since that first time. Guess what? I couldn't find an open source software to make it easily and quickly, even if there are tons of commercial software for that. This is the reason why i decided to write pdfsam, a simple, open source and free software for pdf manipulation. Actually one more thing is that i knew about the iText library; i knew the main job about the pdf manipulation was already done by iText but people need something easier, simple interface, something "click and run". And here it is, pdfsam.

# INSTALL AND RUN

Prerequisites:
pdfsam need a working Java Runtime Environment. It has been developed using Sun Java(TM) 2 SDK, Standard Edition, Version 1.4.2 and tested on many Microsoft Windows versions and on Ubuntu versions using J2SE 5.0 and J2SE 1.4.2 .

pdfsam-1.5.0e-out.zip
Unzip the archive in a directory and double click the file pdfsam-1.5.0e.jar or type the command "java -jar INSTALL_DIR/pdfsam-1.5.0e.jar" in a console.

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1   From the official http://java.sun.com

# MERGE/EXTRACT

Here is the Merge/Extract main window:
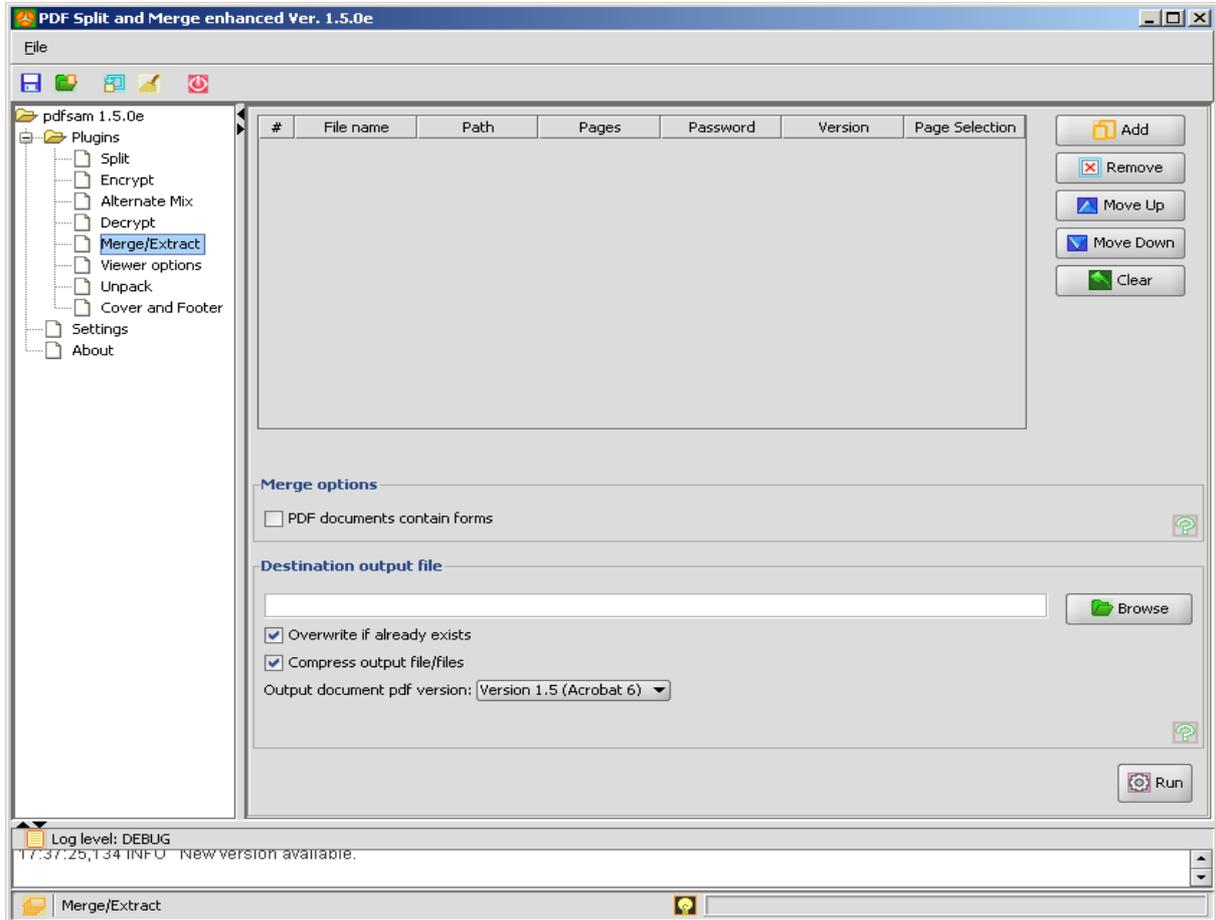


Click the "Add" button to choose the pdf files you want to merge together.
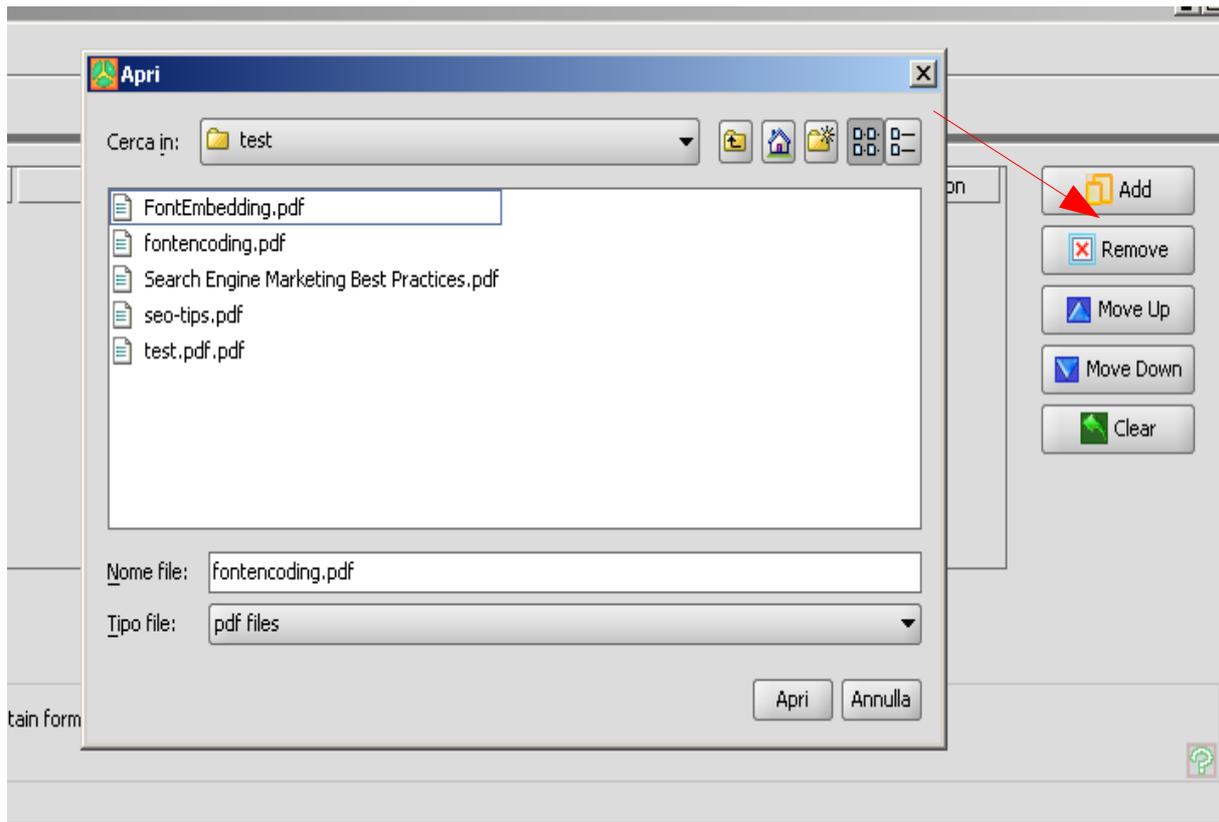
Select pdf files you want to merge; if you want to select more the one file press the "shift" or "ctrl" button on you keyboard.
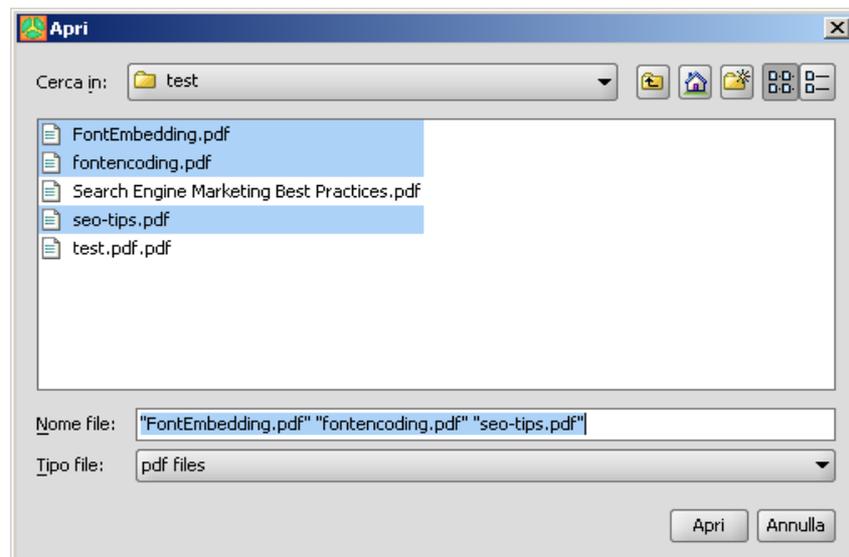


Once your files have been selected you'll see the selection table containing files details:
- Row number
- File name: The file name.
- Path: The file absolute path in the file system.

- Pages: The total number of pages of the document.
- Password: An editable field to input the password for protected documents.
- Version: Pdf Version of the document.
- Page Selection: "All" means that you want to merge the whole document, "page-topage" means you want to merge only pages between "page" and "topage" comprehensive, "page-" means you want to merge pages starting from page till the end of the document, a single page number means that page. Comma separated value are accepted. (ex 4,13-25 if you want to merge page 4 and pages between 13 and 25).

Use the buttons "Move Up", "Move Down" to change the files order or select one or more documents and drag&drop. Press "Remove" to remove unwanted files from the list. Press "Clear" to clear the selection table. Click on the columns header to have the table ordered on that column values.
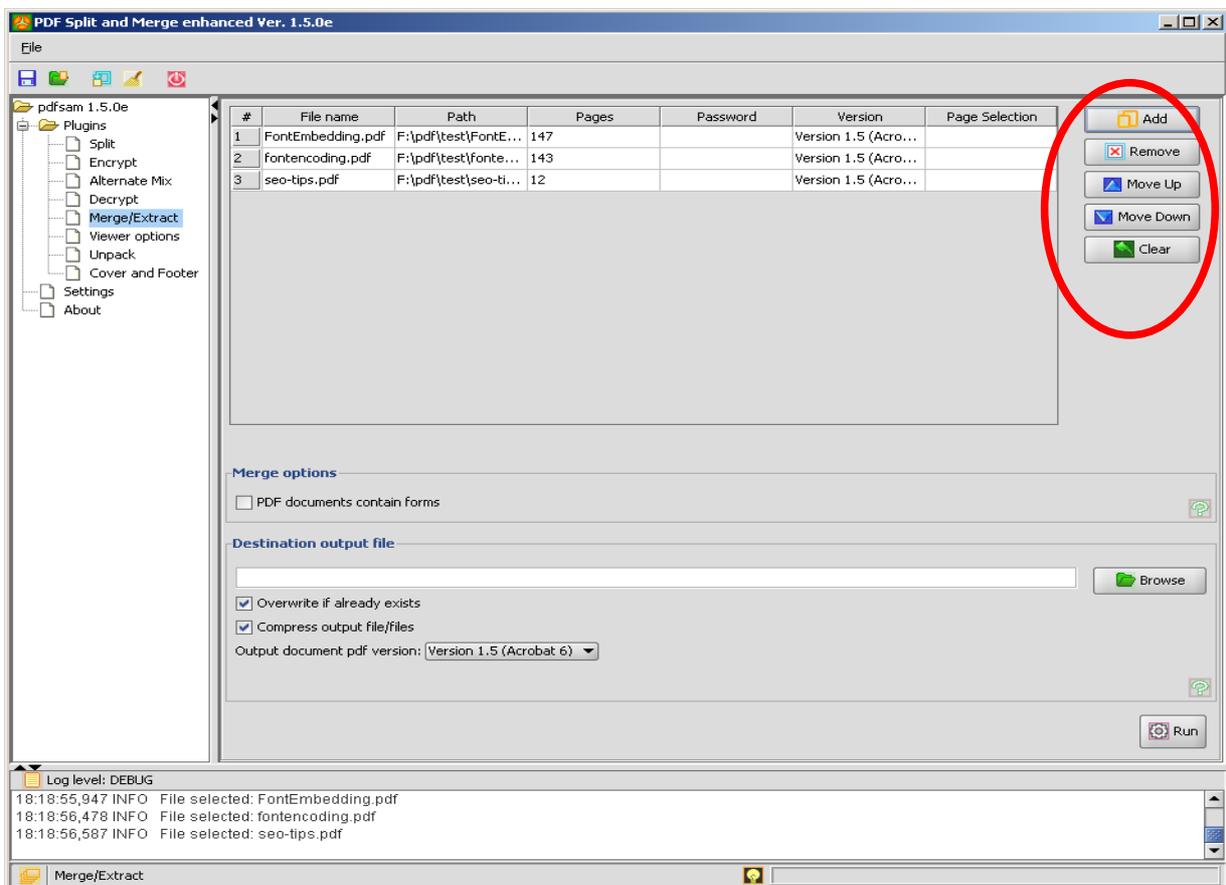


Double click the Page Selection cell if you want to merge only a subset of the document.

| # | File name | Path | Pages | Password | Version | Page Selection |
|---|-----------|------|-------|----------|---------|----------------|
| 1 | seo-tips.pdf | F:\pdf\test\seo-tips... | 12 | | Version 1.5 (Acroba... | |
| 2 | fontencoding.pdf | F:\pdf\test\fontenc... | 143 | | Version 1.5 (Acroba... | 1,54-65 |
| 3 | FontEmbedding.pdf | F:\pdf\test\FontEm... | 147 | | Version 1.5 (Acroba... | |

Fill with the pages subset you want to merge; page numbers are comprehended. You may use print notation like "2,12-16,17-" or simply "2" if you want to merge only page number 2.

Double click on the password field to set the password for protected documents. Protected documents may need you to input the password to be loaded by pdfsam. Fill the password field, right click on the table row and select "Reload".
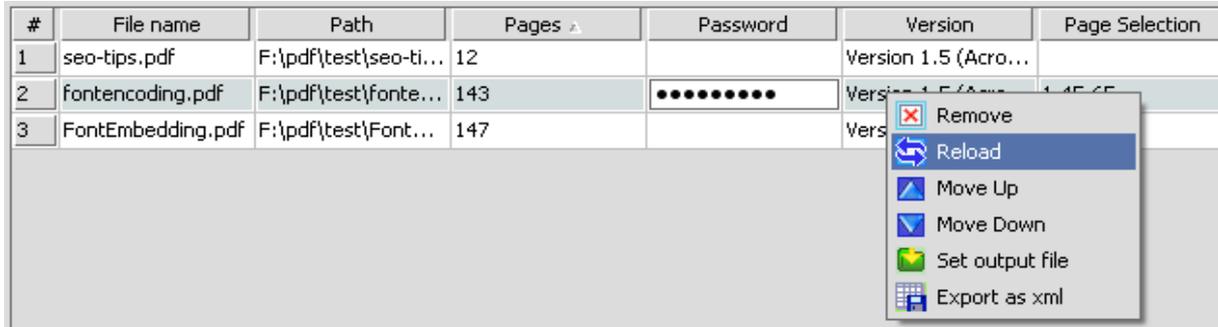


Check the box if your documents contain pdf forms. This will tell pdfsam to use a different merge algorithm specific to deal with forms. Setting this options all the documents will be loaded into memory with a very high memory usage.
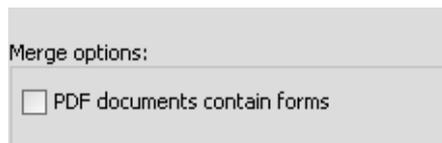


Fill the destination field with the output file name or select it using the "Browse" button. Check or uncheck "Overwrite" if you want overwrite the output pdf document if it already exists. Check or uncheck "Compress output" if you want to compress output document (Output document version 1.5 or above). Select a version for the output document.



You can automatically set a default output file by clicking with the right button on a file in the merge table and selecting "Set output file". This will fill the output filed with a default filename in the same directory as the selected file.
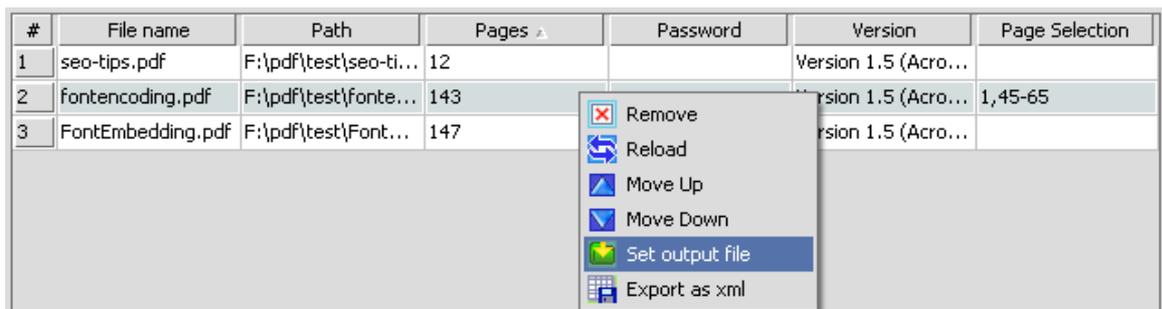
Click the "Run" button.



If no error occurs you'll see the progress bar growing till 100% and black messages on the log panel telling the process status, otherwise you'll find a red error message.
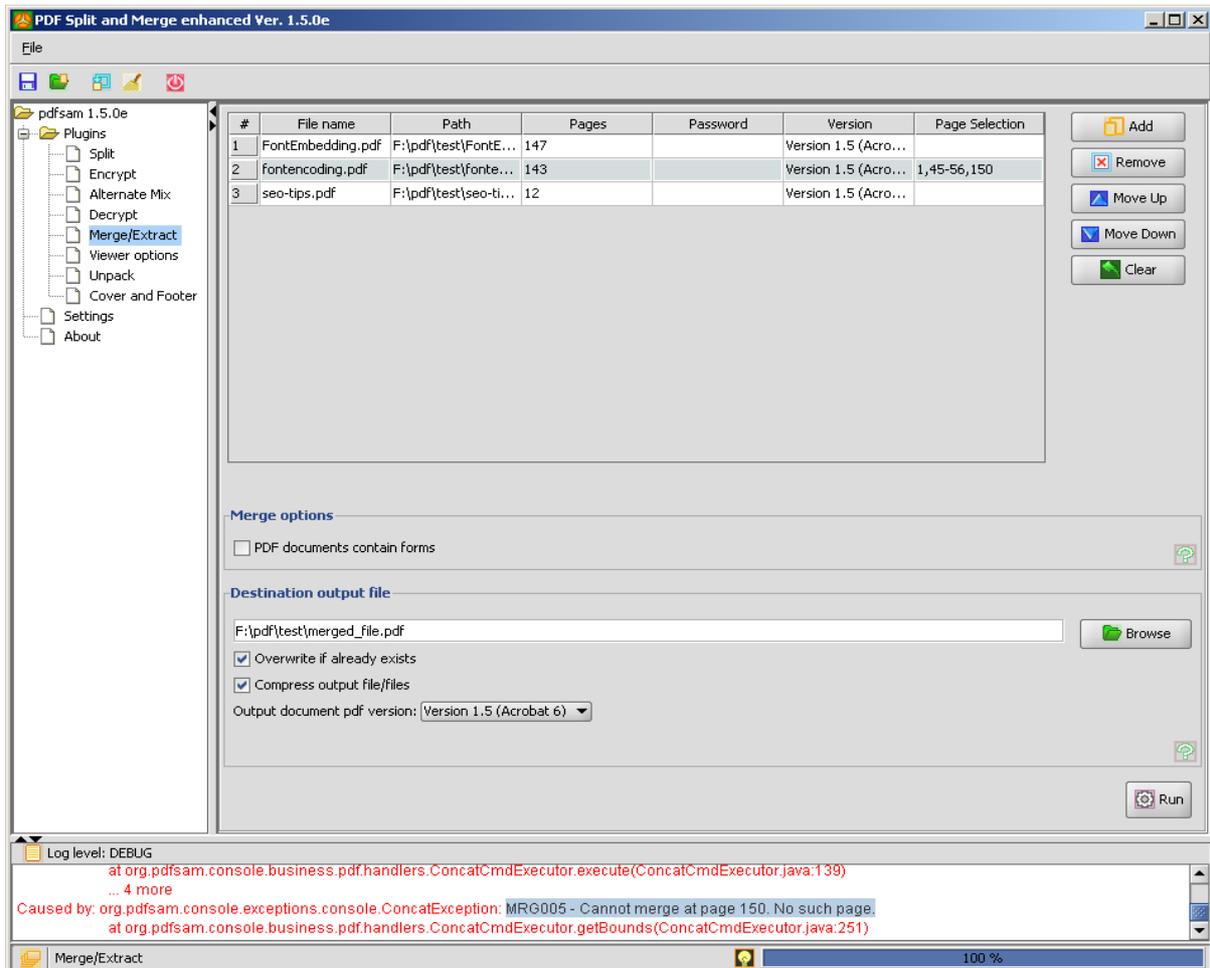


In the example above we had an error message saying we cannot merge page 150 because the document has only 143 pages.

If you don't provide a full output path for the output document pdfsam will ask you if you want to place the output document into the parent directory of the last selected input file.
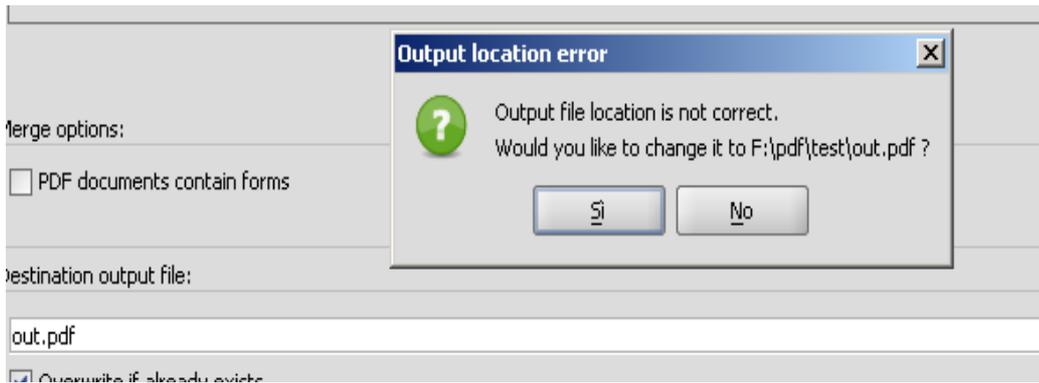
## PAGE EXTRACTION

You can extract portion of a single file:
- In merge section select only one file.
- Set a the page subset you need to extract (Ex. 12-23).
- Select an output file.
- Merge.

## EXPORT SELECTED FILES

Right clicking on a selected file you can export the selected files list as an xml file that can be used as an input file for the console "concat" command, -l option.

# SPLIT

Here is the split main window:



Click the "Add" button to select the pdf file to split.

Set the password for protected documents. Protected documents may need you to input the password to be loaded by pdfsam. Fill the password field, right click on the table row and select "Reload".

Select the split option you need:

•   *Burst* splits the pdf file into single pages, one pdf file-one page.
•   *Split every "n" pages* splits the pdf file into files made of  "n" pages. (Ex. If you selected a file made of 100 pages and you split it every 25 pages, you'll have 4 pdf files made of 25 pages).
•   *Split even pages* splits the pdf file every even page.
•   *Split odd pages* splits the pdf file every odd page.
•   *Split after these pages* splits the pdf file at the submitted page numbers. Numbers must be separated by "-" (Ex. 12-45-75). You may specify just one page number to split the document in two subdocuments. Note that page numbers will be ordered and zero, negative or too big numbers are pruned.
•   *Split at this size* splits the pdf file in subfiles of the selected size (roughly).

Select the destination folder for resulting pdf files. Destination folder can be chosen clicking the "Browse" button and finding the folder on your filesystem or selecting "Same as source", with this option you'll have all output pdf files in the same directory as the source file. Check or uncheck "Overwrite" if you want overwrite the output pdf document if it already exists. Check or uncheck "Compress output" if you want to compress output document (Output document version 1.5 or above).

Select a version for the output document.



Select output prefix if needed.



Output files will be named with the same name of the input pdf file and with a progressive leading number. You can specify a prefix for the output name and the final result will be something like "0_prefix_filename.pdf".

Starting from the release 0.7 pdfsam supports complex prefix. If the prefix contains one among [CURRENTPAGE], [TIMESTAMP] or [FILENUMBER] complex prefix are enabled and pdfsam perform variable substitution. Available variables are [CURRENTPAGE], [TIMESTAMP], [FILENUMBER], [BASENAME]. The variable [BASENAME] doesn't enable complex prefix because it doesn't ensure unique output filenames but it can be use together with [CURRENTPAGE], [TIMESTAMP] or [FILENUMBER]. Starting from the release 1.1.0 the two variables [CURRENTPAGE] and [FILENUMBER] can be specified with an output number pattern using tha '#' character.

Ex: If you use something like [FILENUMBER###] you will have an output filename like 001filename. If you use something like [CURRENTPAGE##]_[FILENUMBER###]_[BASENAME] you will have an output filename like 05_001_filename.



Click "Run" and you find the operation result in the log section.

# ALTERNATE MIX

Here is the Alternate Mix main window.
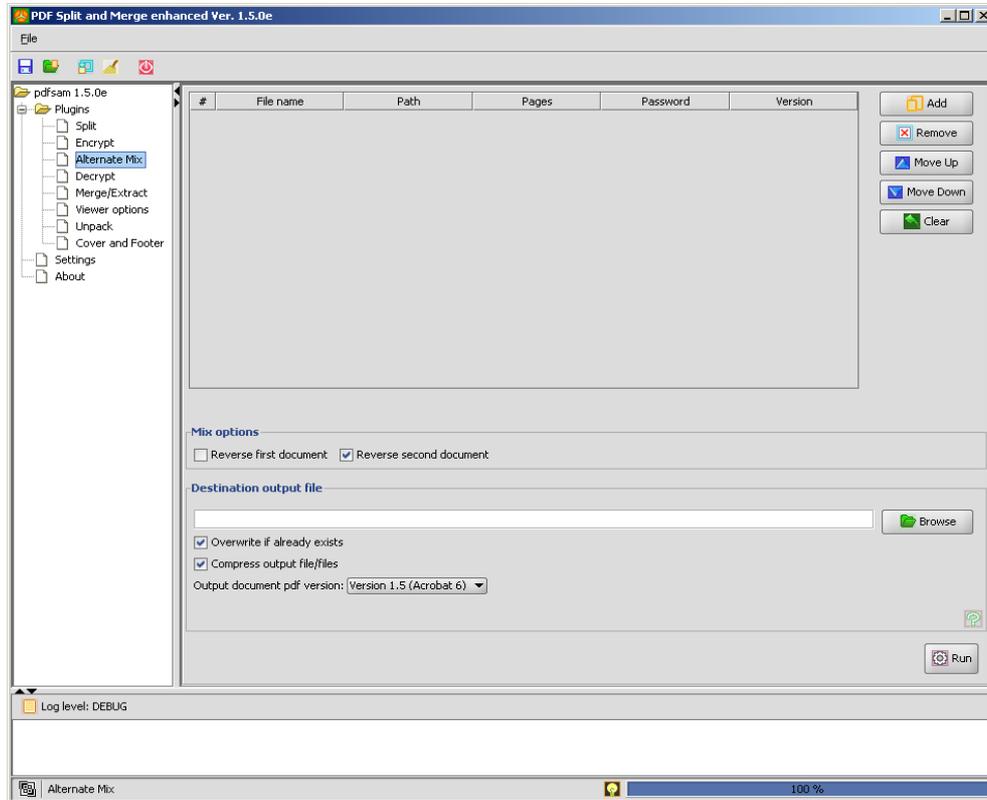


Click the Add button to select the pdf files you want to mix.
Set the password for protected documents. Protected documents may need you to input the password to be loaded by pdfsam. Fill the password field, right click on the table row and select "Reload".
Select if documents pages must be in reverse order or not.
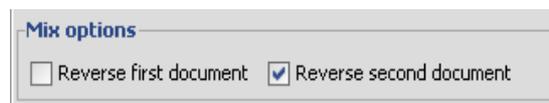


Select a destination output file and set if it should overwrite an already existing file. Check or uncheck "Overwrite" if you want overwrite the output pdf document if it already exists. Check or uncheck "Compress output" if you want to compress output document (Output document version 1.5 or above). Select a version for the output document.



Click "Run" and you will find the operation result in the log section.

# ENCRYPT

Here is the Encrypt main window.
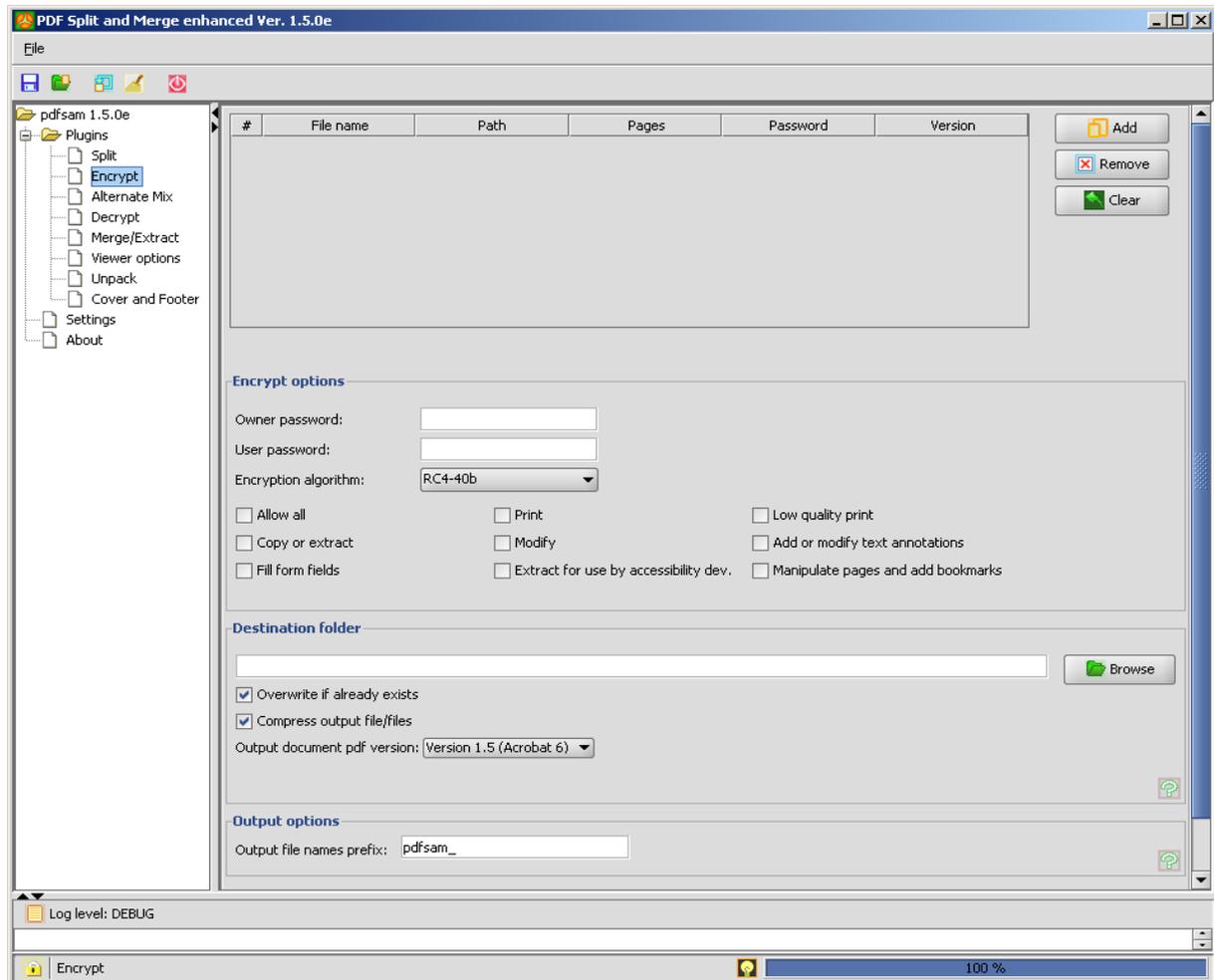


Click the "Add" button to select the pdf files you want to encrypt.
Set the password for protected documents. Protected documents may need you to input the password to be loaded by pdfsam. Fill the password field, right click on the table row and select "Reload".

Set the encrypt options:
- *Owner password*: The admin password to open the document with write permissions.
- *User password*: The user password to open the document with read permissions.
- *Encryption Algorithm*: The encryption type you want for your document.
Finally set the permissions for your document.

Select the destination folder for resulting encrypted pdf files. Check or uncheck "Overwrite" if you want overwrite the output pdf document if it already exists. Check or uncheck "Compress output" if you want to compress output document (Output document version 1.5 or above). Select a version for the output document.

Select output prefix if needed.

Output files will be named with the same name of the input pdf file. You can specify a prefix for the output name and the final result will be something like "prefix_filename.pdf".
Pdfsam also supports complex prefix. If the prefix contains [TIMESTAMP], complex prefix are enabled and pdfsam perform variable substitution. Available variables are [TIMESTAMP], [BASENAME]. The variable [BASENAME] doesn't enable complex prefix because it doesn't ensure unique output filenames but it can be use together with [TIMESTAMP].

Click "Run" and you find the operation result in the log section.

# COVER AND FOOTER

Here is the Cover and Footer main window.



Click the "Add" button to select the pdf file you want to add as a cover.
Click the "Add" button to select the pdf file you want to add as a footer.
Click the "Add" button to select the pdf files you want to add you cover/footer.
Select pdf files; if you want to select more the one file press the "shift" or "ctrl" button on you keyboard.
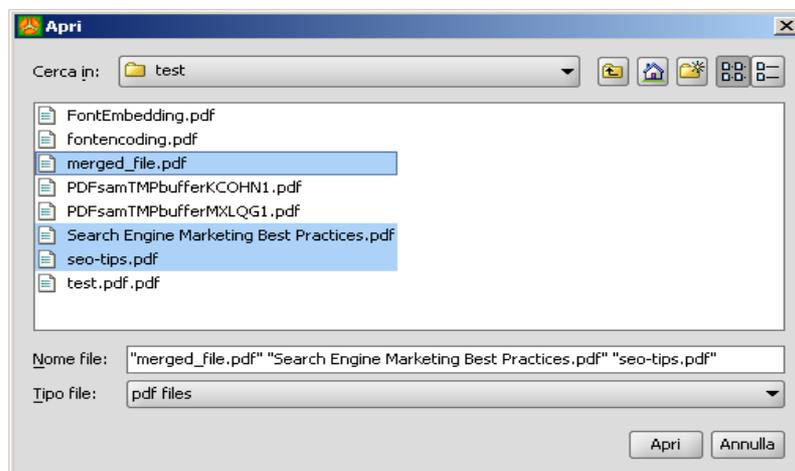
Once your files has been selected you'll see a table containing file details:

- File name: The file name.
- Path: The file absolute path in the file system.
- Pages: The total number of pages of the document.
- Password: An editable field to input the password for protected documents.
- Version: Pdf Version of the document.
- Page Selection: "All" means that you want to merge the whole document, "page-topage" means you want to merge only pages between "page" and "topage" comprehensive, "page-" means you want to merge pages starting from page till the end of the document, a single page number means that page. Comma separated value are accepted. (ex 4,13-25 if you want to merge page 4 and pages between 13 and 25).

Double click the Page Selection cell if you want to merge only a subset of the document.
Fill with the pages subset you want to merge; page numbers are comprehended.

| File name | Path | Pages | Password | Version | Page Selection |
|---|---|---|---|---|---|
| merged_file.pdf | F:\pdf\test\mer... | 181 | ********** | Version 1.5 (Acr... | 20-32,45 |
| Search Engine M... | F:\pdf\test\Sear... | 13 | ********** | Version 1.5 (Acr... | |
| seo-tips.pdf | F:\pdf\test\seo-... | 12 | ********** | Version 1.5 (Acr... | |

Check the box if your documents contain pdf forms. This will tell pdfsam to use a different merge algorithm specific to deal with forms. Setting this options all the documents will be loaded into memory with a very high memory usage.

Merge options:

☐ PDF documents contain forms

Fill the destination field with the output file name or select it using the "Browse" button. Check or uncheck "Overwrite" if you want overwrite the output pdf document if it already exists. Check or uncheck "Compress output" if you want to compress output document (Output document version 1.5 or above). Select a version for the output document.

Destination output file:

F:\pdf\test\test_merge.pdf  📁 Browse

☑ Overwrite if already exists

☑ Compress output file/files

Output document pdf version: Version 1.5 (Acrobat 6) ▼

You can automatically set a default output file by clicking with the right button on a file in the merge table and selecting "Set output file". This will fill the output filed with a default filename in the same directory as the selected file.

Click the "Run" button.

For each file in your table, if no error occurs you'll see the progress bar growing till 100% and a black message on the log panel saying "Total processed pages: xxxx-", otherwise you'll find a red error message.

# VIEWER OPTIONS

Here is the Viewer options main window.
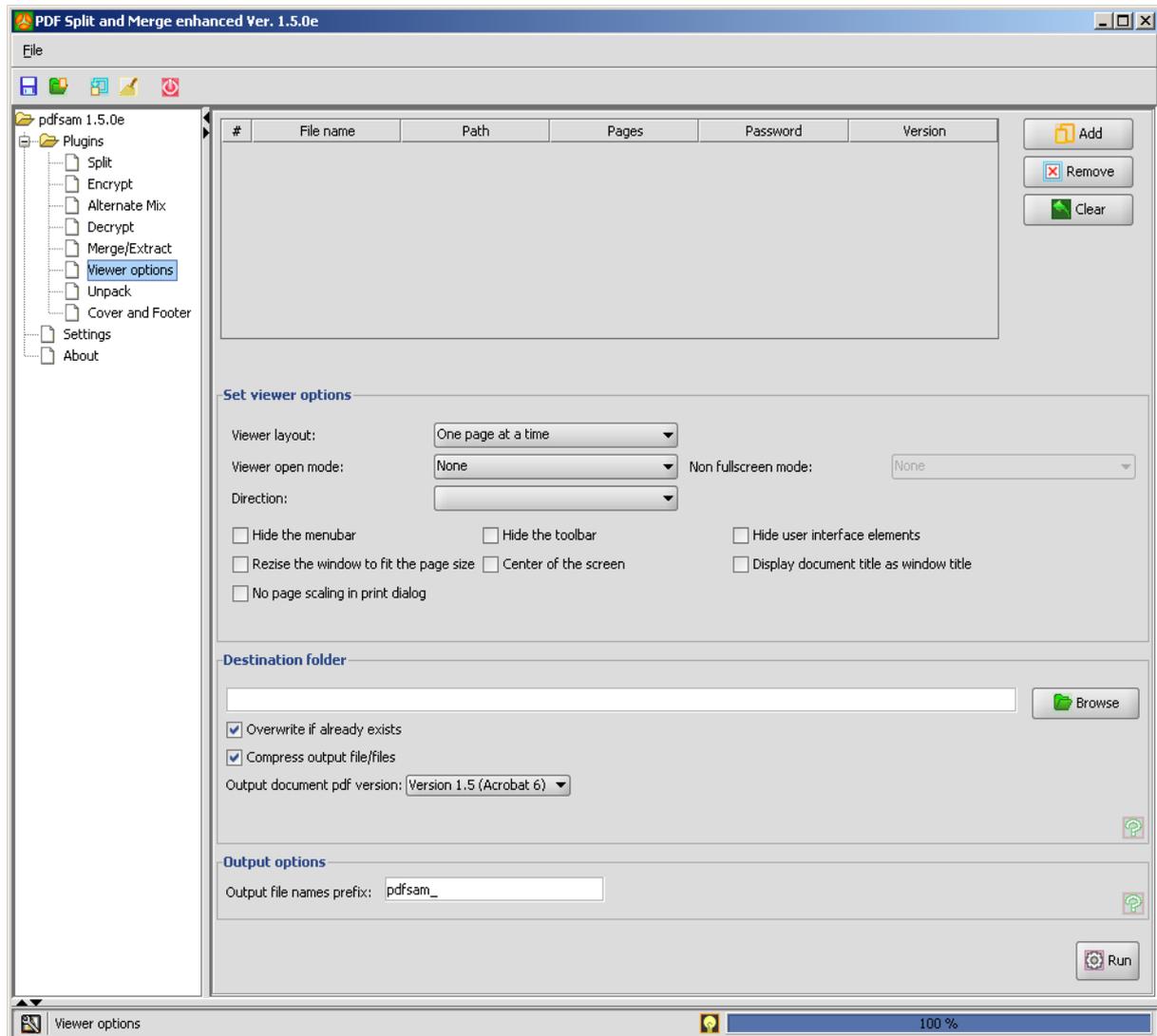


Click the "Add" button to select the pdf files you want to set viewer options.
Set the password for protected documents. Protected documents may need you to input the password to be loaded by pdfsam. Fill the password field, right click on the table row and select "Reload".

Set the viewer layout when displaying the document (one page at time, two page at time...).
Set the open mode of the viewer application (fullscreen, thumbnails panel, attachment panel ...).
Set the open mode for the document on exiting the fullscreen mode. This option is enable only when the selected open mode is "fullscreen".
Set the predominant reading order for the text (left to right or right to left).

Set the viewer options for the input documents.

- *Hide the menubar:* hide the viewer application's menubar when the document is active.

- *Hide the toolbar:* hide the viewer application's toolbars when the document is active.
- *Hide user interface elements:*specify whether to hide user interface elements inthe document's window (such as scroll bars and navigation controls), leaving only the document's contents displayed.
- *Resize the window to fit page size:* specify whether to resize the document's window to fit the size of the first displayed page.
- *Center of the screen:* specify whether to position the document's window in the center of the screen.
- *Display document title as window title:* specify whether the window's title bar should display the document title taken from the Title entry of the document.
- *No page scaling in print dialog:*specify  that the print dialog should reflect no page scaling,

Select the destination folder for resulting pdf files. Check or uncheck "Overwrite" if you want overwrite the output pdf document if it already exists. Check or uncheck "Compress output" if you want to compress output document (Output document version 1.5 or above). Select a version for the output document.

Select output prefix if needed.

Output files will be named with the same name of the input pdf file. You can specify a prefix for the output name and the final result will be something like "prefix_filename.pdf".
Pdfsam also supports complex prefix. If the prefix contains [TIMESTAMP], complex prefix are enabled and pdfsam perform variable substitution. Available variables are [TIMESTAMP], [BASENAME]. The variable [BASENAME] doesn't enable complex prefix because it doesn't ensure unique output

filenames but it can be use together with  [TIMESTAMP].

**Output options**

Output file names prefix:   pdfsam_[BASENAME]_[TIMESTAMP]

Click "Run" and you find the operation result in the log section.

# DECRYPT

Here is the Decrypt main window.
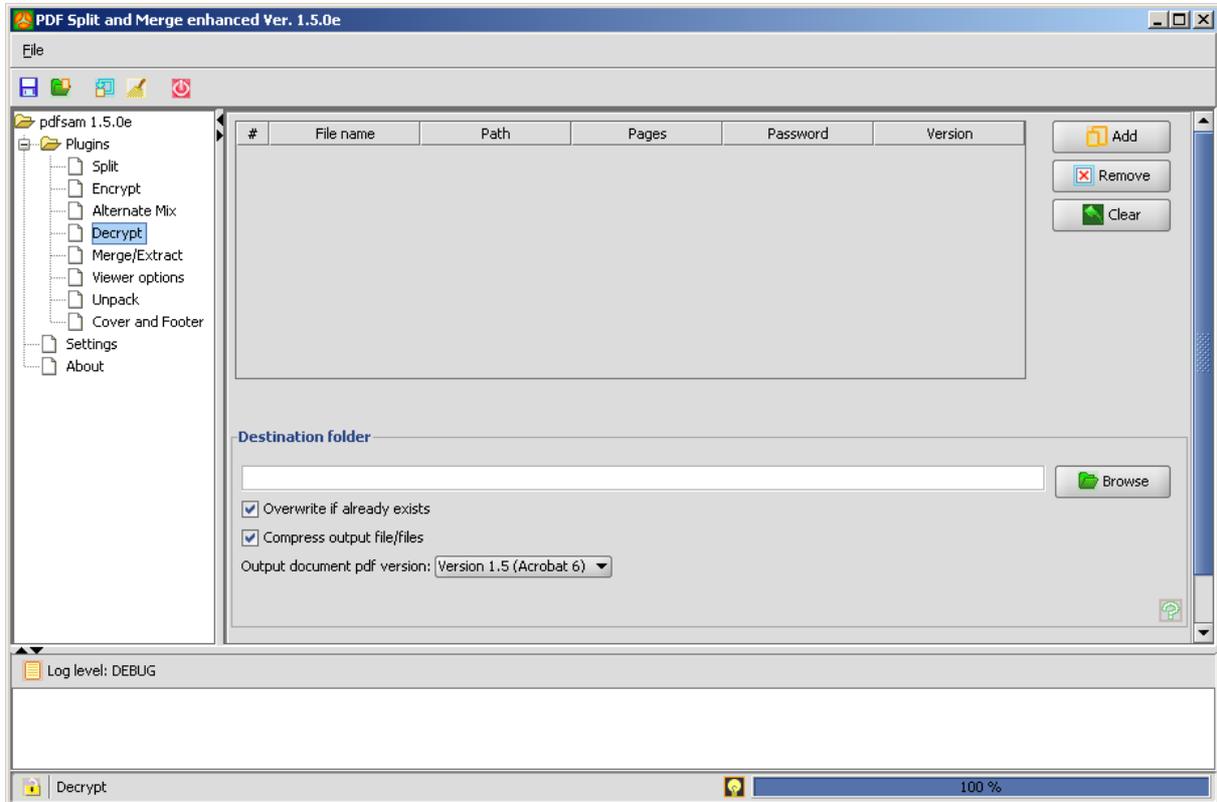


Click the "Add" button to select the pdf files you want to decrypt.
Set the password for protected documents. Protected documents may need you to input the password to be loaded by pdfsam. Fill the password field, right click on the table row and select "Reload".

Select the destination folder for resulting decrypted pdf files. Check or uncheck "Overwrite" if you want overwrite the output pdf document if it already exists. Check or uncheck "Compress output" if you want to compress output document (Output document version 1.5 or above). Select a version for the output document.



Click "Run" and you find the operation result in the log section.

# UNPACK

Here is the Unpack main window.
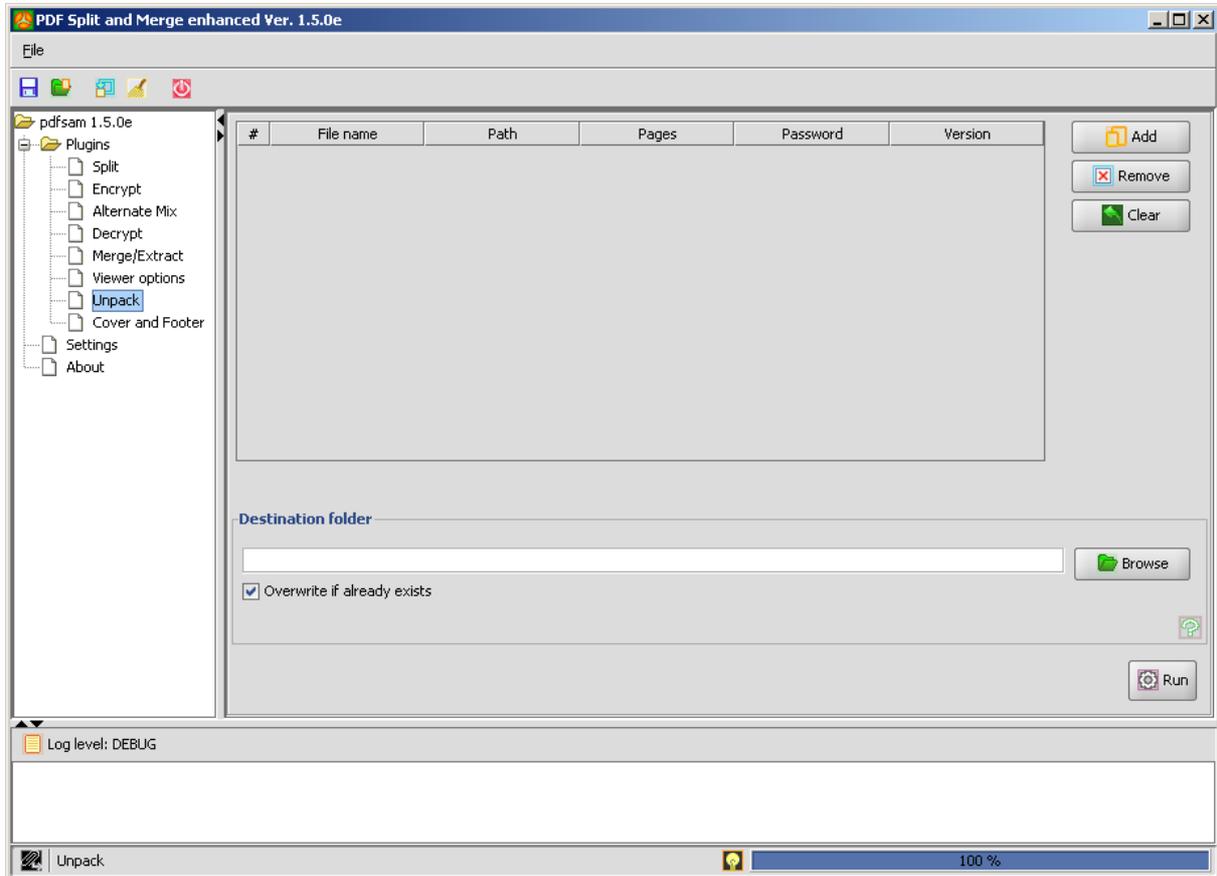


Click the "Add" button to select the pdf files you want to unpack.
Set the password for protected documents. Protected documents may need you to input the password to be loaded by pdfsam. Fill the password field, right click on the table row and select "Reload".



Select the destination folder for resulting files. Check or uncheck "Overwrite" if you want overwrite output files if they already exists. Every attachment extracted from the input documents will be saved into the destination folder.

Click "Run" and you find the operation result in the log section.

# ENVIRONMENT

Using pdfsam you'll be able to save and load an environment.
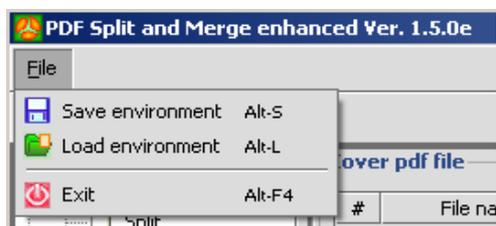


The feature will let you save an xml file containing the current status of every pdfsam plugin. This feature is useful if you have recurrent jobs and you don't want to set plugin options every time.

# SETTINGS

Here is the Settings main window.
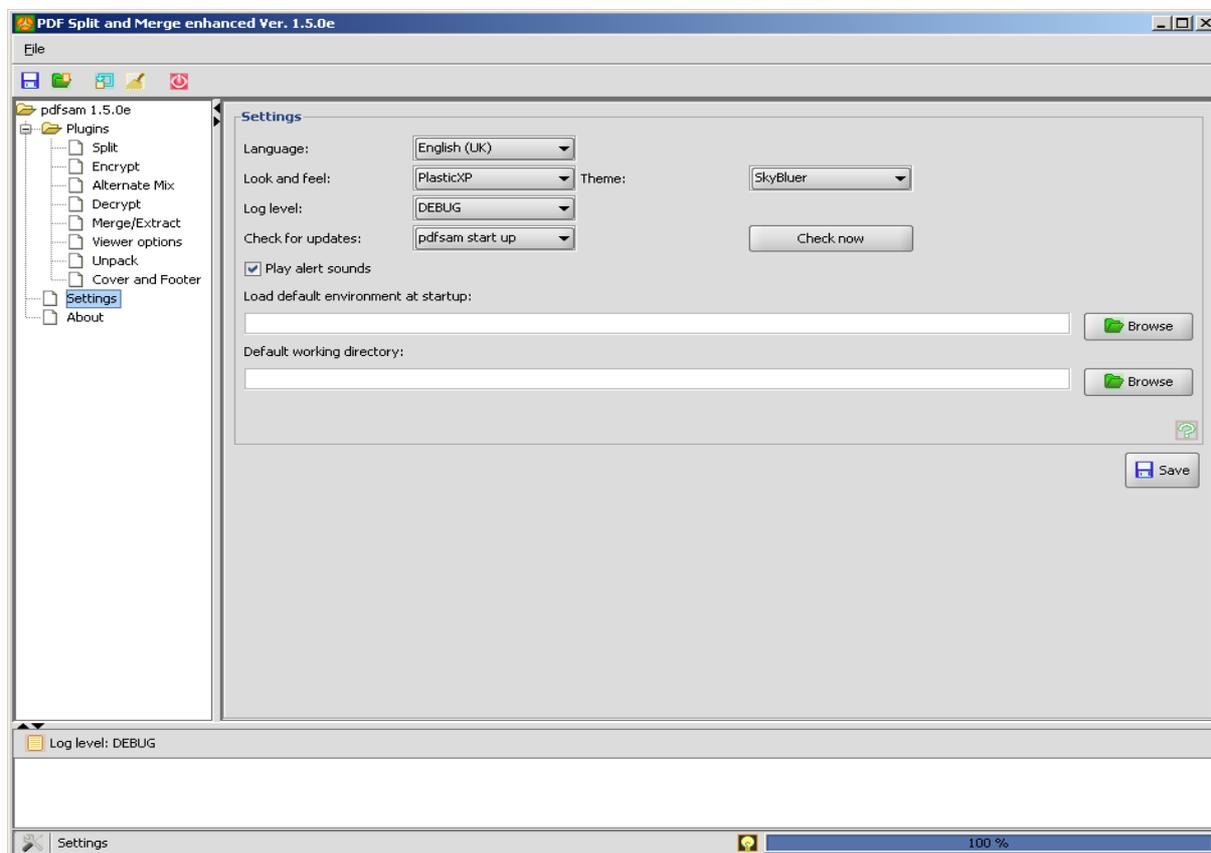


In this section you'll be able to set your preferences.
- *Language*: set your language
- *Look and feel*: pdfsam look and feel
- *Log level*: log messages level you want to see in the log panel.
- *Check for updates*: set when pdfsam should check for a new version available
- *Play alert sounds*: enable pdfsam to play sounds to inform about the pdf manipulation result.
- *Default environment*: pdfsam will load this file at start up.
- *Default working directory*: set the default working directory. This will tell pdfsam where to open file chooser and where to save output files if you don't set an output file or directory

Click "Save" and restart pdfsam to have your changes applied.

# ABOUT

This window will give you some information about the pdfsam version you are running.
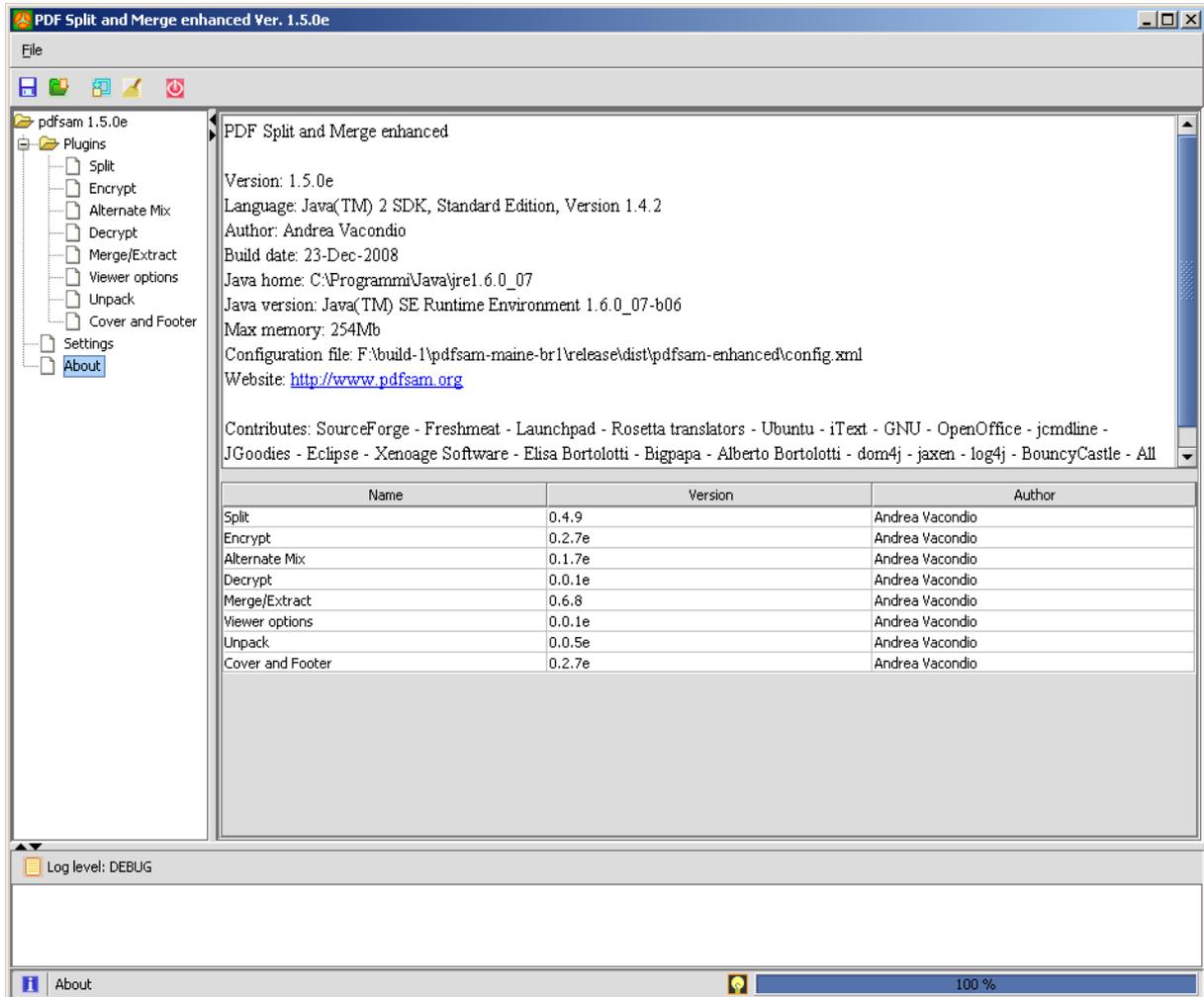


Here you'll find information about the pdfsam version, plugins version, JVM version and configuration file used. Starting from the 1.4.0 version, pdfsam looks for the config.xml in the ${user.home}/.pdfsam directory, if it doesn't find the file it looks in the pdfsam directory.

# LOG WINDOW

The pdfsam log window will help you to understand how pdfsam is working. Any black message (DEBUG or INFO) is just an information about what pdfsam is doing, a blue message (WARNING) is a warning telling that there's an unexpected situation that pdfsam can handle, a red message (ERROR or FATAL) tells that there's an error that pdfsam can't handle.

Right clicking on the log window a context menu will appear. You can select and copy the log text, clear the log window or save the log text to a file.

Setting the log level to OFF using the settings panel will switch off any log message.
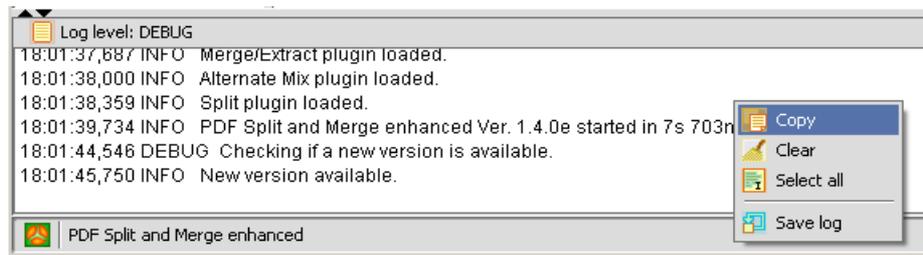
# CONSOLE

pdfsam-console is a command line application. It uses jcmdline to parse input parameters and it executes the proper command. It's the core application and it provides pdf manipulation. The main GUI loads plugins, once clicked the plugin "Run" button (merge or split), the plugin performs input data validation and, if everything is correct, it creates an arguments array and than it sends it to the console.

To run the console use the scripts in the "bin" subdirectory or type the following command: "*java -Dlog4j.configuration=console-log4j.xml -jar /PATH_TO_PDFSAM/lib/pdfsam-console-CURRENT_VERSION.jar*". It's important to add the argument *-Dlog4j.configuration=console-log4j.xml,* this will configure the log4j framework to print log messages to the system output.

Starting from the 1.0.0 version of pdfsam (1.1.0 version of the pdfsam-console), enhanced and basic console have been unified, this mean that you can find all the enhanced feature in the basic console.

**Starting from the 2.0.0 version the pdfsam-console has been dual licensed and you can choose among the GPLv2 and the LGPLv2 licenses.**

Run the console with the option -h to have a generic help, run it with -h *command* to have a specific help on the command.

Here is a list of the console arguments:

Usage: java -Dlog4j.configuration=console-log4j.xml -jar pdfsam-console-VERSION.jar [options] command
where:
command = command to execute {[concat], [split], [encrypt], [mix], [unpack], [setviewer], [slideshow], [decrypt]} (required)

and options are:

**Merge**
-?
> prints usage to stdout; exits (optional)

-compressed
> compress output file (optional)

-copyfields
> input pdf documents contain forms (high memory usage) (optional)

-f <f>
> pdf files to concat: a list of existing pdf files (EX. -f /tmp/file1.pdf -f /tmp/file2.pdf:password) (optional)

-h
> prints usage to stdout; exits (optional)

-help
> displays verbose help information (optional)

-l <f>

xml or csv file containing pdf files list to concat. If csv file in comma separated value format; if xml file <filelist><file value="filepath" /></filelist> (optional)

-license

displays license information (optional)

-log <f>

text file to log output messages (optional)

-o <f>

pdf output file: if it doesn't exist it's created, if it exists it must be writeable (required)

-overwrite

overwrite existing output file (optional)

-pdfversion <s>

pdf version of the output document/s. (optional)

-u <s>

page selection script. You can set a subset of pages to merge. Accepted values: "all" or "num1-num2" (EX. -f /tmp/file1.pdf -f  /tmp/file2.pdf -u all:all:), (EX. -f /tmp/file1.pdf -f /tmp/file2.pdf -u all:12-14:) to merge file1.pdf and pages 12,13,14 of file2.pdf. If -u is not set default behaviour is to merge document completely (optional)

-version

displays command's version (optional)

The -l option takes an xml input file as pdf document input list.
This is an example:

*<?xml version="1.0" encoding="UTF-8"?>*
*<filelist>*
> *<file value="f:\pdf\inputFile.pdf" />*
> *<file value="f:\pdf\inputFile2.pdf" password="test"/>*
> *<fileset usecurrentdir="true">*
> > *<file value="inputFile1.pdf" />*
> > *<file value="inputFile2.pdf" />*
> *</fileset>*
> *<fileset dir="f:\tempdir\subdir" usecurrentdir="false">*
> > *<file value="inputFile1.pdf" />*
> > *<file value="inputFile2.pdf" />*
> *</fileset>*
> *<fileset dir="f:\tempdir\subdir2">*
> > *<file value="inputFile1.pdf" />*
> > *<file value="inputFile2.pdf" />*
> > *<file value="inputFile3.pdf" />*
> *</fileset>*
*</filelist>*

There are different ways to set the files you want to concat.
- *<file value="f:\pdf\inputFile.pdf" />*
  can be used for a single file and accept the "password" attribute if the document is password protected.
- *<fileset usecurrentdir="true">*
  > *<file value="inputFile1.pdf" />*

> *<file value="inputFile2.pdf" />*
> *</fileset>*

can be used for a set of files placed into the same directory of the xml input file.

- *<fileset dir="f:\tempdir\subdir" usecurrentdir="false">*
  > *<file value="inputFile1.pdf" />*
  > *<file value="inputFile2.pdf" />*
  > *</fileset>*
  > *<fileset dir="f:\tempdir\subdir2">*
  > *<file value="inputFile1.pdf" />*
  > *<file value="inputFile2.pdf" />*
  > *<file value="inputFile3.pdf" />*
  > *</fileset>*

can be both used  for a set of files placed into the "dir" directory

## Split

-?

       prints usage to stdout; exits (optional)

-b <n>

       size in bytes to split at if -s is SIZE (optional)

-compressed

       compress output file (optional)

-f <f>

       input pdf file to split (required)

-h

       prints usage to stdout; exits (optional)

-help

       displays verbose help information (optional)

-license

       displays license information (optional)

-log <f>

       text file to log output messages (optional)

-n <s>

       page number to split at if -s is SPLIT or NSPLIT (optional)

-o <dir>

       output directory (required)

-overwrite

       overwrite existing output file (optional)

-p <s>

       prefix for the output files name (optional)

-pdfversion <s>

       pdf version of the output document/s. (optional)

-s <s>

       split type {[BURST], [ODD], [EVEN], [SPLIT], [NSPLIT], [SIZE]}
     (required)

-version

       displays command's version (optional)

## Encrypt

-?

prints usage to stdout; exits (optional)

-allow <s>

permissions: a list of permissions {[print], [modify], [copy], [fill], [assembly], [screenreaders], [modifyannotation], [degradedprinting]} (optional)

-apwd <s>

administrator password for the document (optional)

-compressed

compress output file (optional)

-etype <s>

encryption angorithm {[rc4_40], [rc4_128], [aes_128]}. If omitted it uses rc4_128 (optional)

-f <f>

pdf files to encrypt: a list of existing pdf files (EX. -f /tmp/file1.pdf -f /tmp/file2.pdf) (required)

-h

prints usage to stdout; exits (optional)

-help

displays verbose help information (optional)

-license

displays license information (optional)

-log <f>

text file to log output messages (optional)

-o <dir>

output directory (required)

-overwrite

overwrite existing output file (optional)

-p <s>

prefix for the output files name (optional)

-pdfversion <s>

pdf version of the output document/s. (optional)

-upwd <s>

user password for the document (optional)

-version

displays command's version (optional)

## Mix

-?

prints usage to stdout; exits (optional)

-compressed

compress output file (optional)

-f1 <f>

first input pdf file to split (required)

-f2 <f>

second input pdf file to split (required)

-h

prints usage to stdout; exits (optional)

-help

displays verbose help information (optional)

-license

    displays license information (optional)

-log <f>

    text file to log output messages (optional)

-o <f>

    pdf output file: if it doesn't exist it's created, if it exists it must be writeable (required)

-overwrite

    overwrite existing output file (optional)

-pdfversion <s>

    pdf version of the output document/s. (optional)

-reversefirst

    reverse first input file (optional)

-reversesecond

    reverse second input file (optional)

-version

    displays command's version (optional)


## Unpack

-?

    prints usage to stdout; exits (optional)

-d <dir>

    input directory (optional)

-f <f>

    pdf files to unpack: a list of existing pdf files (EX. -f /tmp/file1.pdf -f /tmp/file2.pdf) (optional)

-h

    prints usage to stdout; exits (optional)

-help

    displays verbose help information (optional)

-license

    displays license information (optional)

-log <f>

    text file to log output messages (optional)

-o <dir>

    output directory (required)

-overwrite

    overwrite existing output file (optional)

-version

    displays command's version (optional)


## Decrypt

-?

    prints usage to stdout; exits (optional)

-compressed

    compress output file (optional)

-f <f>

    pdf files to decrypt: a list of existing pdf files (EX. -f /tmp/file1.pdf -f /tmp/file2.pdf) (optional)

-h

prints usage to stdout; exits (optional)

-help

displays verbose help information (optional)

-license

displays license information (optional)

-log <f>

text file to log output messages (optional)

-o <dir>

output directory (required)

-overwrite

overwrite existing output file (optional)

-p <s>

prefix for the output files name (optional)

-pdfversion <s>

pdf version of the output document/s. (optional)

-version

displays command's version (optional)

## Setviewer

-?

prints usage to stdout; exits (optional)

-centerwindow

center of the screen (optional)

-compressed

compress output file (optional)

-direction <s>

direction {l2r, r2l}. If omitted it uses l2r (optional)

-displaydoctitle

display document title metadata as window title (optional)

-f <f>

pdf files to set the viewer options: a list of existing pdf files (EX. -f /tmp/file1.pdf -f /tmp/file2.pdf) (required)

-fitwindow

resize the window to fit the page size (optional)

-h

prints usage to stdout; exits (optional)

-help

displays verbose help information (optional)

-hidemenu

hide the menu bar (optional)

-hidetoolbar

hide the toolbar (optional)

-hidewindowui

hide user interface elements (optional)

-layout <s>

layout for the viewer. { onecolumn, singlepage, twocolumnl, twocolumnr, twopagel, twopager} (optional)

-license

displays license information (optional)

-log <f>

text file to log output messages (optional)

-mode <s>

open mode for the viewer {attachments, fullscreen, none, ocontent, outlines, thumbs}. If omitted it uses none (optional)

-nfsmode <s>

non full screen mode for the viewer when exiting full screen         mode {nfsnone, nfsocontent, nfsoutlines, nfsthumbs}. If omitted it uses nfsnone (optional)

-noprintscaling

no page scaling in print dialog (optional)

-o <dir>

output directory (required)

-overwrite

overwrite existing output file (optional)

-p <s>

prefix for the output files name (optional)

-pdfversion <s>

pdf version of the output document/s. (optional)

-version

displays command's version (optional)

## Slideshow

-?

prints usage to stdout; exits (optional)

-compressed

compress output file (optional)

-dt <s>

slideshow default transition effect definition (optional)

## Syntax:

transitiontype:transitiondurationinsec:pagedisplaydurationinsec.

## Example:

blindv:1:3 uses a 1 second long vertical blind to display pages for 3 seconds

-f <f>

input pdf file to set the slide show options (required)

-fullscreen

open the document in fullscreen mode (optional)

-h

prints usage to stdout; exits (optional)

-help

displays verbose help information (optional)

-l <f>

xml file containing all the transitions effects definitions (optional)

-license

displays license information (optional)

-log <f>

text file to log output messages (optional)

-o <f>          pdf output file: if it doesn't exist it's created, if it exists it must be writeable (required)
-overwrite

        overwrite existing output file (optional)

-p <s>

        prefix for the output files name (optional)

-pdfversion <s>

        pdf version of the output document/s. (optional)

-t <s>

        slideshow transition effect definition (optional)

**Syntax:**

transitiontype:transitiondurationinsec:pagedisplaydurationinsec:pagenumber.
Possible transitiontype values { blindh, blindv, wipeb2t, glitterd, dissolve,
inwardbox, glitterl2r, wipel2r, outwardbox, wiper2l, splithin, splithout,
splitvin, splitvout, glittert2b, wipet2b}

**Example:**

blindv:1:3:57 uses a 1 second long vertical blind to display page
number 57 for 3 seconds


-version

        displays command's version (optional)


The -l option takes an xml input file as pdf document input list.
This is an example:


*<?xml version="1.0" encoding="UTF-8"?>*
*<transitions defaulttype="type" defaulttduration="sec"  defaultduration="sec">*
*<transition type="type" tduration="sec" duration="sec" pagenumber="number" />*
*<transition type="type" tduration="sec" duration="sec" pagenumber="number" />*
*<transition type="type" tduration="sec" duration="sec" pagenumber="number" />*
*<transition type="type" tduration="sec" duration="sec" pagenumber="number" />*
*................*
*</transitions>*



## TWEAK&TIPS

**1.**
When you see this




move the mouse over it to have some tooltip help.


**2.**
If you have some trouble loading plugins try this:
  • Open the file config.xml with good editor (Notepad++..) .
  • Fill the tag *"plugs_absolute_dir"* with the absolute path to your plugins direcotry .
  • Save .
pdfsam tries to find plugins directory but, if there's some trouble, you can specify the absolute path as

described.

**3.**

Move to the "doc/examples" subdirectory to have some examples on how run the concat command using xml or csv file input.

**4.**

Move to the "doc/licenses" subdirectory to have informations about licenses of pdfsam and libraries used by pdfsam.

**5.**

If you have to work with big pdf documents (hundreds MB) try running pdfsam setting a different Xmx value. Example: running the command "java -Xmx512m -jar pdfsam-1.4.0.jar" will run pdfsam with 512 Mb of memory instead of 64, this should prevent OutOfMemory errors (unless your documents are very very big). You can also set the Xmx value into the shell scripts provided into the bin subdirectory.

## THANKS TO OPEN SOURCE PROJECTS INVOLVED

This simple tool is free software and this has been possible thanks to many other open source projects.
I'd like to thank:

**Ububtu** linux distro because most of the time i work on pdfsam at home, on my personal pc.

**Eclipse**, the development platform i used.

**OpenOffice**, the suite i used to write this document.

**Notepad++**, the editor i used many times to make changes in text files (php, txt etc) while working on win32 platform.

**SourceForge** because it hosts pdfsam giving me a lot of useful services.

**Launchpad** for the translation platform.

**WordPress** for the website.

**phpBB** for the forum.

**iText, jGoodies, jcmdline, jaxen, dom4j, log4j, Bouncy Castle** libraries to make pdfsam a working tool.

**Elisa Bortolotti** for her icons.

**Bigpapa** for tests and translations.

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