

Document for PConvert

Overview:

This project helps us convert file type together. We can export this tool to pConvert.jar file and use it anywhere, anytime

Source code:

<https://drive.google.com/file/d/0B-U3isZylm3DaWZjRkFQY3Qwc3M/view?usp=sharing>

Please focus on file: pConvert\src\main\java\paragon\pConvert\ImageUtil.java

Others just test functions and convert file in ftp, sftp folder

Libraries:

- ❖ PDF Box v1.8.11 (latest: 2.0.7 <https://pdfbox.apache.org/>)
- ❖ Commons Imaging v1.0 (<https://commons.apache.org/proper/commons-imaging/>)
- ❖ Open CV v3.3 (latest 3.3 <https://opencv.org/>)
- ❖ Itextpdf 5.5.12
- ❖ Poi 3.7
- ❖ MsWordToImageConvert
- ❖ Xmlbeans 2.6.0
- ❖ Xmlbeans-xpath 2.3.0
- ❖ Poi-ooxml-schemas 3.7
- ❖ Poi-ooxml 3.7
- ❖ Poi-scratchpad 3.17
- ❖ Java-util 1.32.0
- ❖ Jai-imageio-core 1.3.1
- ❖ Icepdf-core 5.0.5
- ❖ Icepdf-viewer
- ❖ Jai-core

Functions:

From type	To type	Status	Libraries	Description
JPGs	PDF	Done	- PDF Box v1.8.11 - Commons Imaging v1.0	Converting not include Graphics
PDF	JPGS	Done	- PDF Box v1.8.11 - Commons Imaging v1.0 - Open CV v3.3	Converting not include Graphics
JPGs	TIFF	Done	- Commons Imaging v1.0	Converting not include Graphics
JPGs	MS WORD	Planning		Converting not include Graphics
MS WORD	JPGs (URL)	Done	MsWordToImageConvert.jar	Not multiple images Just give one
MS WORD	JPGs (FILE)	Done	MsWordToImageConvert.jar	Not multiple images Just give one

PDF	WORD	Done	<ul style="list-style-type: none"> - Xmlbeans 2.6.0 - Xmlbeans-xpath 2.3.0 - Poi-ooxml-schemas 3.7 - Poi-ooxml 3.7 	Converting not include Graphics
TIFF	PDF	Done	<ul style="list-style-type: none"> - Icepdf-core 5.0.5 - Icepdf-viewer - Jai-core - Commons Imaging v1.0 	Converting not include Graphics
WORD	PDF	Done	<ul style="list-style-type: none"> - Icepdf-core 5.0.5 - Icepdf-viewer - Jai-core - Commons Imaging v1.0 	Converting not include Graphics
PDF	TIFF	Done	<ul style="list-style-type: none"> - Icepdf-core 5.0.5 - Icepdf-viewer - Jai-core - Commons Imaging v1.0 	Converting not include Graphics
TIFF	Images	Planning		Converting not include Graphics

pRemote converting process:

When user uploads documents to server. There is a background process with an interval (5 minutes) using command line to run pConvert to converting documents to pdf or tiff (by read batch.info).

If we need convert document in android mobile, we should add more functions to pConvert, for now exist functions only convert in server or desktop

Html5Viewer Desktop (Electron) converting process:

Using command line to run pConvert and save as jpgs to pdf or tiff

Webservice (jHipster) converting process:

WE can use command line to run pConvert to convert files or we can import pConvert.jar lib to convert files