Pdfras_tool Usage Instructions 20170711

Pdfras_tool can perform 3 basic operations.

1. Check that a file is a valid PDF/raster file. Pdfraster_tool always performs this operation. Use the `-i` option to specify the PDF/raster file. See example 1.
2. Print details about a raster image embedded inside of a PDF/raster file. Use the `-i` and `-d` options. See example 2.
3. Extract a PDF/raster image to a JPEG or TIFF file. Use the `-i` and `-o` options. See example 3.

General Usage: `pdfras_tool arg1 [argN ...]`

Argument	Description
`-d`	Print details about the PDF/raster image.
`-i=<file>`	The PDF/raster input file. Required.
`-o=<file>`	Extract PDF/raster image to output file.
`-p=<number>`	Page number (default is 1).

Example 1: Check that a file is a valid PDF/raster file.

```
> pdfras_tool -i=sample.pdf
```

Example 2: Print details of a raster image embedded in a PDF/raster file.

```
> pdfras_tool -d -i=sample.pdf
page count = 1
page 1 pixel format = bitonal
page 1 bits per component = 1
page 1 width (pixels) = 850
page 1 height (pixels) = 1100
page 1 rotation (degrees clockwise when displayed) = 0
page 1 horizontal resolution (DPI) = 100
page 1 vertical resolution (DPI) = 100
page 1 strip count = 1
page 1 maximum (raw) strip size = 117700
page 1 compression = uncompressed
```

Example 3: Extract a raster image from inside of a PDF/raster file. The name of the output image will be formed by appending `.tif` or `.jpg` to the `-o= filename`. The `.tif` extension (and file format) will be used unless the PDF/raster file contains a compressed gray or color image in which case the `.jpg` extension (and file format) will be used.

```
> pdfras_tool -i=sample.pdf -o=\Windows\temp\sample-extract
```

If the PDF/raster page contains multiple uncompressed strips, pdfras_tool will concatenate the strips and write a single strip `.tif` file.

If the PDF/raster page contains multiple compressed strips, pdfras_tool will write a `.tif` or `.jpg` file for each strip. The file name of strip **N** will follow the output naming rule above but preceed the filename extension with `-strip`**N**.

Example 4: All options.

```
> pdfraster -i=sample.pdf -o=sample-extract -d -p=1
page count = 1
page 1 pixel format = bitonal
page 1 bits per component = 1
page 1 width (pixels) = 850
page 1 height (pixels) = 1100
page 1 rotation (degrees clockwise when displayed) = 0
page 1 horizontal resolution (DPI) = 100
page 1 vertical resolution (DPI) = 100
page 1 strip count = 1
page 1 maximum (raw) strip size = 117700
page 1 compression = uncompressed
```

Note:
On Windows 64-bit pdfras_tool.exe is by default installed in the directory:

```
C:\Program Files (x86)\TWAIN Working Group\pdfras_tool
```

On Windows 32-bit pdfras_tool.exe is by default installed in the directory:

```
C:\Program Files\TWAIN Working Group\pdfras_tool
```