Red Hat Enterprise Linux Release 9.2 Manual Pages on 'pdfimages.1' command

$ man pdfimages.1

pdfimages(1)　　　　　General Commands Manual　　　　　pdfimages(1)

NAME

   pdfimages - Portable Document Format (PDF) image extractor (version

   3.03)

SYNOPSIS

   pdfimages [options] PDF-file image-root

DESCRIPTION

   Pdfimages saves images from a Portable Document Format (PDF) file as

   Portable Pixmap (PPM), Portable Bitmap (PBM), Portable Network Graphics

   (PNG), Tagged Image File Format (TIFF), JPEG, JPEG2000, or JBIG2 files.

   Pdfimages reads the PDF file PDF-file, scans one or more pages, and

   writes one file for each image, image-root-nnn.xxx, where nnn is the

   image number and xxx is the image type (.ppm, .pbm, .png, .tif, .jpg,

   jp2, jb2e, or jb2g). If PDF-file is ?-', it reads the PDF file from

   stdin.

   The default output format is PBM (for monochrome images) or PPM for

   non-monochrome. The -png or -tiff options change to default output to

   PNG or TIFF respectively. If both -png and -tiff are specified, CMYK

   images will be written as TIFF and all other images will be written as

   PNG. In addition the -j, -jp2, and -jbig2 options will cause JPEG,

   JPEG2000, and JBIG2, respectively, images in the PDF file to be written

   in their native format.

OPTIONS

-f number

   Specifies the first page to scan.

-l number

   Specifies the last page to scan.

-png   Change the default output format to PNG.

-tiff Change the default output format to TIFF.

-j   Write images in JPEG format as JPEG files instead of the default

       format. The JPEG file is identical to the JPEG data stored in

       the PDF.

-jp2   Write images in JPEG2000 format as JP2 files instead of the de?

       fault format. The JP2 file is identical to the JPEG2000 data

       stored in the PDF.

-jbig2 Write images in JBIG2 format as JBIG2 files instead of the de?

       fault format. JBIG2 data in PDF is of the embedded type. The em?

       bedded type of JBIG2 has an optional separate file containing

       global data. The embedded data is written with the extension

       .jb2e and the global data (if available) will be written to the

       same image number with the extension .jb2g. The content of both

       these files is identical to the JBIG2 data in the PDF.

-ccitt Write images in CCITT format as CCITT files instead of the de?

       fault format. The CCITT file is identical to the CCITT data

       stored in the PDF. PDF files contain additional parameters spec?

       ifying how to decode the CCITT data. These parameters are trans?

       lated to fax2tiff input options and written to a .params file

       with the same image number. The parameters are:

       -1   1D Group 3 encoding

       -2   2D Group 3 encoding

       -4   Group 4 encoding

       -A   Beginning of line is aligned on a byte boundary

       -P   Beginning of line is not aligned on a byte boundary

       -X n   The image width in pixels

       -W   Encoding uses 1 for black and 0 for white

       -B   Encoding uses 0 for black and 1 for white

-M   Input data fills from most significant bit to least sig‐

       nificant bit.

-all   Write JPEG, JPEG2000, JBIG2, and CCITT images in their native

       format. CMYK files are written as TIFF files. All other images

       are written as PNG files. This is equivalent to specifying the

       options -png -tiff -j -jp2 -jbig2 -ccitt.

-list Instead of writing the images, list the images along with vari‐

       ous information for each image. Do not specify an image-root

       with this option.

       The following information is listed for each image:

       page   the page number containing the image

       num   the image number

       type   the image type:

            image - an opaque image

            mask - a monochrome mask image

            smask - a soft-mask image

            stencil - a monochrome mask image used for painting a

            color or pattern

       Note: Tranparency in images is represented in PDF using a sepa‐

       rate image for the image and the mask/smask. The mask/smask

       used as part of a transparent image always immediately follows

       the image in the image list.

       width image width (in pixels)

       height image height (in pixels)

       Note: the image width/height is the size of the embedded image,

       not the size the image will be rendered at.

       color image color space:

            gray - Gray

            rgb - RGB

            cmyk - CMYK

            lab - L*a*b

            icc - ICC Based

            index - Indexed Color

sep - Separation

devn - DeviceN

comp   number of color components

bpc   bits per component

enc   encoding:

image - raster image (may be Flate or LZW compressed but

does not use an image encoding)

jpeg - Joint Photographic Experts Group

jp2 - JPEG2000

jbig2 - Joint Bi-Level Image Experts Group

ccitt - CCITT Group 3 or Group 4 Fax

interp "yes" if the interpolation is to be performed when scal?

ing up the image

object ID

the image dictionary object ID (number and generation)

x-ppi The horizontal resolution of the image (in pixels per

inch) when rendered on the pdf page.

y-ppi The vertical resolution of the image (in pixels per inch)

when rendered on the pdf page.

size   The size of the embedded image in the pdf file. The fol?

lowing suffixes are used: 'B' bytes, 'K' kilobytes, 'M'

megabytes, and 'G' gigabytes.

ratio The compression ratio of the embedded image.

-opw password

Specify the owner password for the PDF file.   Providing this

will bypass all security restrictions.

-upw password

Specify the user password for the PDF file.

-p   Include page numbers in output file names.

-q   Don't print any messages or errors.

-v   Print copyright and version information.

-h   Print usage information. (-help and --help are equivalent.)

EXIT CODES

The Xpdf tools use the following exit codes:

0   No error.

1   Error opening a PDF file.

2   Error opening an output file.

3   Error related to PDF permissions.

99   Other error.

AUTHOR

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pdfdetach(1), pdffonts(1), pdfinfo(1), pdftocairo(1), pdftohtml(1),

pdftoppm(1), pdftops(1), pdftotext(1) pdfseparate(1), pdfsig(1), pdfu?

nite(1)