

**NAME**

**pfdc** – convert and modify PFDC floppy disk image files

**SYNOPSIS**

**pfdc** [*options*] [*input-file*] [*options*] [*output-file*]

**DESCRIPTION**

**pfdc**(1) is used to modify and convert PFDC floppy disk images files.

**OPTIONS**

**-a, --alternate** *alt1*[-*alt2*]

Select a range of alternate sectors.

**-c, --cylinder** *cyl1*[-*cyl2*]

Select a range of cylinders.

**-e, --edit** *what val*

For all selected sectors, set sector attribute *what* to *val*. For boolean attributes, a value of 0 disables the attribute and any other value enables it. Recognized attributes are:

**crc-id** The ID field contains a CRC error.

**crc-data**

The data field contains a CRC error.

**del-dam**

The sector has a deleted data address mark.

**data-rate**

The data rate in bits per second.

**fm** The sector uses FM encoding.

**mfm** The sector uses MFM encoding.

**size** The sector size in bytes.

**c** The cylinder number in the sector ID.

**h** The head number in the sector ID.

**s** The sector number in the sector ID.

**-f, --info**

Print information about the current image or the next image loaded.

**-F, --filler** *val*

Set the fill byte to *val*. The fill byte is used when sectors are created or enlarged.

**-h, --head** *head1*[-*head2*]

Select a range of heads.

**-i, --input** *filename*

Load an image from *filename*.

**-I, --input-format** *format*

Set the input file format to *format*. Valid formats are:

**pfdc** The native PFDC file format.

**ana** The anadisk dump format.

**imd** The ImageDisk file format.

**raw** A raw sector dump.

- td0** The teledisk file format. Only files that don't use advanced compression are supported.
- l, --list-tracks**  
List all tracks in the current image or in the next image loaded.
- L, --list-sectors**  
List all sectors in the current image or in the next image loaded.
- m, --merge *filename***  
Load an image from *filename* and merge it with the current image. Sectors that are identical are discarded. Sectors that exist in only one image are retained. Sectors that exist in both images, but differ, are added as alternate sectors.
- n, --new *size***  
Create a new image of size *size* KiB.
- o, --output *filename***  
Set the output file name. Before exiting, the current image will be written to this file.
- O, --output-format *format***  
Set the output file format to *format*. See the *-I* option for a list of valid formats.
- p, --operation *name* [*arg...*]**  
Perform an operation on the current image. Valid operations are:
- comment-add *text***  
Add *text* to the image comment.
  - comment-load *filename***  
Load the image comment from file *filename*.
  - comment-print**  
Print the current image comment.
  - comment-save *filename***  
Save the current image comment to *filename*.
  - comment-set *text***  
Set the image comment to *text*.
  - delete** Delete all selected sectors.
  - info** Print information about the current image (same as **-f**).
  - load *filename***  
Load the contents of all selected sectors from *filename*. The contents of the sectors are read sequentially from the file.
  - new** Create all selected sectors, if they do not already exist.
  - reorder *s1,s2,s3,...***  
Reorder the sectors on all selected tracks. Sectors that are not mentioned in the parameter are moved to the end of the track.
  - rotate *first***  
Rotate the sectors on all selected tracks such that *first* is the first sector on the track. If *first* does not exist on a track, the next higher sector will be rotated to the start of the track.
  - save *filename***  
Save all selected sectors to *filename*. The contents of the sectors are written sequentially to the file.
- r, --record *cyl1[-cyl2] head1[-head2] sect1[-sect2]***  
Select sectors. This is the same as using the **-c**, **-h** and **-s** options separately.

- s, --sector** *sect1[-sect2]*  
Select a range of logical sectors.
- S, --real-sectors** *sect1[-sect2]*  
Select a range of physical sectors.
- v, --verbose**  
Enable verbose operation.
- help** Print usage information.
- version**  
Print version information.

## EXAMPLES

Convert an ImageDisk file to a PFDC file:

```
$ pfdc source.imd dest.pfdc
```

Get image information:

```
$ pfdc -f image.pfdc
```

Add sectors 10 and 11 to all tracks on side 0:

```
$ pfdc -i source.pfdc -r all 0 10-11 -p new -o dest.pfdc
```

Mark the first sector in the image as having a bad data CRC:

```
$ pfdc -i source.pfdc -r 0 0 1 -e crc-data 1 -o dest.pfdc
```

Set the image comment:

```
$ pfdc -i source.pfdc -p comment-set "Test image" -o dest.pfdc
```

## SEE ALSO

**pce-ibmpc(1)**, **pce-macplus(1)**, **pce-img(1)**

## AUTHOR

Hampa Hug <hampa@hampa.ch>