NAME

f2fs_io − f2fs ioctl utility

DESCRIPTION

f2fs_io is used to send various commands to the f2fs file system for administrative purposes.

AVAILABLE COMMANDS

set_verity *[file]*
Set the verity flags associated with the specified file.

getflags *[file]*
Get the flags associated with the specified file.

setflags *[flag] [file]*
Set an f2fs file on specified file. The flag can be casefold, compression, and nocompression.

shutdown *shutdown filesystem*
Freeze and stop all IOs for the file system mounted on *dir.* The level parameter can be:

0	going down with full sync
1	going down with checkpoint only
2	going down with no sync
3	going down with metadata flush
4	going down with fsck mark

pinfile *[get|set] [file]*
Get or set the pinning status on a file.

fallocate *[keep_size] [offset] [length] [file]*
Request that space be allocated on a file. The *keep_size* parameter can be either 1 or 0.

write *[chunk_size in 4kb] [offset in chunk_size] [count] [pattern] [IO] [file_path]*
Write a given pattern to *file_path*. The*pattern* parameter can be:

zero	zeros
inc_num	incrementing numbers
rand	random numbers

The *IO* parameter can be:

buffered	buffered I/O
dio	direct I/O

read *[chunk_size in 4kb] [offset in chunk_size] [count] [IO] [print_nbytes] [file_path]*
Read data in *file_path* and print *print_nbytes*. The*IO* options can be:

buffered	buffered I/O
dio	direct I/O

fiemap *[offset in 4kb] [count] [file_path]*
get block address in file

gc_urgent *dev [start|end|run] [time in sec]*
Start, end, or run gc_urgent for a given time period

defrag_file *[start] [length] [file_path]*
Defragment a file.

copy *[-d] [-m] [-s] [src_path] [dst_path]*
Copy file from src_path to dst_path. The *pattern* parameter can be:

-d use direct I/O

-m use mmap for source file

-s use sendfile to transfer data

get_cblocks *[file]*
Get the number of compressed blocks.

release_cblocks *[file]*
Release compressed blocks to get free space.

reserve_cblocks *[file]*
Reserve free blocks to prepare decompressing blocks in the file.

AUTHOR

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AVAILABILITY

f2fs_io is available from git://git.kernel.org/pub/scm/linux/kernel/git/jaegeuk/f2fs-tools.git.