

NAME

`dumpe2fs` – dump ext2/ext3/ext4 file system information

SYNOPSIS

`dumpe2fs` [`-bfgHixV`] [`-o superbblock=superblock`] [`-o blocksize=blocksize`] *device*

DESCRIPTION

`dumpe2fs` prints the super block and blocks group information for the file system present on *device*.

Note: When used with a mounted file system, the printed information may be old or inconsistent.

OPTIONS

- `-b` print the blocks which are reserved as bad in the file system.
- `-o superbblock=superblock`
use the block *superblock* when examining the file system. This option is not usually needed except by a file system wizard who is examining the remains of a very badly corrupted file system.
- `-o blocksize=blocksize`
use blocks of *blocksize* bytes when examining the file system. This option is not usually needed except by a file system wizard who is examining the remains of a very badly corrupted file system.
- `-f` force `dumpe2fs` to display a file system even though it may have some file system feature flags which `dumpe2fs` may not understand (and which can cause some of `dumpe2fs`'s display to be suspect).
- `-g` display the group descriptor information in a machine readable colon-separated value format. The fields displayed are the group number; the number of the first block in the group; the superbblock location (or -1 if not present); the range of blocks used by the group descriptors (or -1 if not present); the block bitmap location; the inode bitmap location; and the range of blocks used by the inode table.
- `-h` only display the superbblock information and not any of the block group descriptor detail information.
- `-i` display the file system data from an image file created by `e2image`, using *device* as the pathname to the image file.
- `-m` If the `mmp` feature is enabled on the file system, check if *device* is in use by another node, see `e2mmpstatus(8)` for full details. If used together with the `-i` option, only the MMP block information is printed.
- `-x` print the detailed group information block numbers in hexadecimal format
- `-V` print the version number of `dumpe2fs` and exit.

EXIT CODE

`dumpe2fs` exits with a return code of 0 if the operation completed without errors. It will exit with a non-zero return code if there are any errors, such as problems reading a valid superbblock, bad checksums, or if the device is in use by another node and `-m` is specified.

BUGS

You may need to know the physical file system structure to understand the output.

AUTHOR

`dumpe2fs` was written by Remy Card <Remy.Card@linux.org>. It is currently being maintained by Theodore Ts'o <tytso@alum.mit.edu>.

AVAILABILITY

`dumpe2fs` is part of the `e2fsprogs` package and is available from <http://e2fsprogs.sourceforge.net>.

SEE ALSO

`e2fsck(8)`, `e2mmpstatus(8)`, `mke2fs(8)`, `tune2fs(8)`. `ext4(5)`