Rocky Enterprise Linux 9.2 Manual Pages on command 'mkfs.cramfs.8'

$ man mkfs.cramfs.8

MKFS.CRAMFS(8)   System Administration   MKFS.CRAMFS(8)

NAME

   mkfs.cramfs - make compressed ROM file system

SYNOPSIS

   mkfs.cramfs [options] directory file

DESCRIPTION

   Files on cramfs file systems are zlib-compressed one page at a time to

   allow random read access. The metadata is not compressed, but is

   expressed in a terse representation that is more space-efficient than

   conventional file systems.

   The file system is intentionally read-only to simplify its design;

   random write access for compressed files is difficult to implement.

   cramfs ships with a utility (mkcramfs(8)) to pack files into new cramfs

   images.

   File sizes are limited to less than 16 MB.

   Maximum file system size is a little under 272 MB. (The last file on

   the file system must begin before the 256 MB block, but can extend past

   it.)

ARGUMENTS

The directory is simply the root of the directory tree that we want to generate a compressed filesystem out of.

The file will contain the cram file system, which later can be mounted.

OPTIONS

-v

Enable verbose messaging.

-E

Treat all warnings as errors, which are reflected as command exit status.

-b blocksize

Use defined block size, which has to be divisible by page size.

-e edition

Use defined file system edition number in superblock.

-N big, little, host

Use defined endianness. Value defaults to host.

-i file

Insert a file to cramfs file system.

-n name

Set name of the cramfs file system.

-p

Pad by 512 bytes for boot code.

-s

This option is ignored. Originally the -s turned on directory entry sorting.

-z

Make explicit holes.

-h, --help

Display help text and exit.

-V, --version

Display version information and exit.

EXIT STATUS

0

success

8

operation error, such as unable to allocate memory

SEE ALSO

fsck.cramfs(8), mount(8)

REPORTING BUGS

For bug reports, use the issue tracker at

https://github.com/karelzak/util-linux/issues.

AVAILABILITY

The mkfs.cramfs command is part of the util-linux package which can be

downloaded from Linux Kernel Archive

<https://www.kernel.org/pub/linux/utils/util-linux/>.

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