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*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/>>.

