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

```
$ man mkfs.8
```

MKFS(8) System Administration MKFS(8)

NAME

## mkfs - build a Linux filesystem

## SYNOPSIS

```
mkfs [options] [-t type] [fs-options] device [size]
```

## DESCRIPTION

This mkfs frontend is deprecated in favour of filesystem specific mkfs.<type> utils.

`mkfs` is used to build a Linux filesystem on a device, usually a hard disk partition. The device argument is either the device name (e.g., `/dev/hda1`, `/dev/sdb2`), or a regular file that shall contain the filesystem. The size argument is the number of blocks to be used for the filesystem.

The exit status returned by `mkfs` is 0 on success and 1 on failure.

In actuality, `mkfs` is simply a front-end for the various filesystem builders (`mkfs.fstype`) available under Linux. The filesystem-specific builder is searched for via your PATH environment setting only. Please see the filesystem-specific builder manual pages for further details.

## OPTIONS

-t, --type type

Specify the type of filesystem to be built. If not specified, the default filesystem type (currently ext2) is used.

## fs-options

Filesystem-specific options to be passed to the real filesystem builder.

-V --verbose

Produce verbose output, including all filesystem-specific commands that are executed.

Specifying this option more than once inhibits execution of any filesystem-specific commands. This is really only useful for testing.

**-V, --version**

Display version information and exit. (Option -V will display version information only when it is the only parameter, otherwise it will work as --verbose.)

**-h, --help**

Display help text and exit.

## BUGS

All generic options must precede and not be combined with filesystem-specific options.

Some filesystem-specific programs do not automatically detect the device size and require the size parameter to be specified.

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The manual page was shamelessly adapted from Remy Card?`s version for the ext2 filesystem.

## SEE ALSO

`fs(5)`, `badblocks(8)`, `fsck(8)`, `mkdosfs(8)`, `mke2fs(8)`, `mkfs.bfs(8)`, `mkfs.ext2(8)`,  
`mkfs.ext3(8)`, `mkfs.ext4(8)`, `mkfs.minix(8)`, `mkfs.msdos(8)`, `mkfs.vfat(8)`, `mkfs.xfs(8)`

## REPORTING BUGS

For bug reports, use the issue tracker at <https://github.com/karelzak/util-linux/issues>.

## AVAILABILITY

The `mkfs` 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/>>.