



Linux Ubuntu 26.04 Manual Pages on command 'sqfscat.1'

\$ man sqfscat.1

SQFSCAT(1)

User Commands

SQFSCAT(1)

NAME

sqfscat - tool to cat files from a squashfs filesystem to stdout

SYNOPSIS

sqfscat [OPTIONS] FILESYSTEM [list of files to cat to stdout]

DESCRIPTION

Squashfs is a highly compressed read-only filesystem for Linux. It uses either gzip/xz/lzo/lz4/zstd compression to compress both files, inodes and directories. Inodes in the system are very small and all blocks are packed to minimise data overhead. Block sizes greater than 4K are supported up to a maximum of 1Mbytes (default block size 128K).

Squashfs is intended for general read-only filesystem use, for archival use (i.e. in cases where a .tar.gz file may be used), and in constrained block device/memory systems (e.g. embedded systems) where low overhead is needed.

OPTIONS

Runtime options:

-v, -version

print version, licence and copyright information.

-p NUMBER, -processors NUMBER

use NUMBER processors. By default will use the number of processors available.

-mem SIZE

use SIZE physical memory for caches. Use K, M or G to specify Kbytes, Mbytes or Gbytes respectively. Default 512 Mbytes.

-mem-percent PERCENT

use PERCENT physical memory for caches.

-o BYTES, -offset BYTES

skip BYTES at start of FILESYSTEM. Optionally a suffix of K, M or G can be given to specify Kbytes, Mbytes or Gbytes respectively (default 0 bytes).

-ig, -ignore-errors

treat errors writing files to stdout as non-fatal.

-st, -strict-errors

treat all errors as fatal.

-no-exit, -no-exit-code

don't set exit code (to nonzero) on non-fatal errors.

Filter options:

-no-wild, -no-wildcards

do not use wildcard matching in filenames.

-r, -regex

treat filenames as POSIX regular expressions rather than use the default shell wildcard expansion (globbing).

Help options:

-h, -help

print help summary information to pager (or stdout if not a terminal).

-help-option REGEX

print the help information for options matching REGEX to pager (or stdout if not a terminal).

-help-section SECTION

print the help information for section SECTION to pager (or stdout if not a terminal). If SECTION does not exactly match a section name, it is treated as a regular expression, and all section names that match are displayed. Use "list" as section name to get a list of sections and their names.

-help-all

print help information for all Sqfscat options and sections to pager (or stdout if not a terminal).

-ho REGEX

shorthand alternative to -help-option.

-hs SECTION

shorthand alternative to -help-section.

-ha shorthand alternative to -help-all.

-no-pager

do not use a pager to output help information.

-cols WIDTH

use WIDTH columns to output help information. Useful if output is not to a terminal.

EXIT STATUS

0 The file or files were output to stdout OK.

1 FATAL errors occurred, e.g. filesystem corruption, I/O errors. Sqfscat did not continue and aborted.

2 Non-fatal errors occurred, e.g. not a regular file, or failed to resolve pathname. Sqfscat continued and did not abort.

See -ignore-errors, -strict-errors and -no-exit-code options for how they affect the exit status.

DECOMPRESSORS AVAILABLE

gzip, lzo, lz4, xz, zstd, lzma

ENVIRONMENT

SQFS_CMDLINE

If set, this is used as the directory to write the file sqfs_cmdline which contains the command line arguments given to Sqfscat. Each command line argument is wrapped in quotes to ensure there is no ambiguity when arguments contain spaces. If the file already exists then the command line is appended to the file.

PAGER If set, this is used as the name of the program used to display the help text. The value can be a simple command or a pathname. The default is /usr/bin/pager.

EXAMPLES

```
sqfscat IMAGE.SQFS hello
```

Output the contents of "hello" to stdout.

```
sqfscat IMAGE.SQFS hello world
```

Output the contents of "hello" and then "world" to stdout.

```
sqfscat IMAGE.SQFS "*.ch"
```

Output the contents of all the files in the root directory that match the wildcard *.ch, to stdout, e.g. hello.c, hello.h, world.c, world.h.

Note: when passing wildcarded names to Sqfscat, they should be quoted (as in the above exam?

ples), to ensure that they are not processed by the shell.

AUTHOR

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SEE ALSO

mksquashfs(1), unsquashfs(1), sqfstar(1)

The README for the Squashfs-tools 4.7.5 release, describing the new features can be read here <https://github.com/plougher/squashfs-tools/blob/master/Documentation/4.7.5/README.md>

The Sqfscat usage guide can be read here <https://github.com/plougher/squashfs-tools/blob/master/Documentation/4.7.5/USAGE-SQFSCAT.md>

The CHANGELOG for Squashfs tools can be read here <https://github.com/plougher/squashfs-tools/blob/master/CHANGES.md>

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