

STAT(1)

User Commands

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NAME

stat - display file or file system status

SYNOPSIS

stat [OPTION]... FILE...

DESCRIPTION

Display file or file system status.

Mandatory arguments to long options are mandatory for short options too.

-L, --dereference

follow links

-f, --file-system

display file system status instead of file status

--cached=MODE

specify how to use cached attributes; useful on remote file sys?

tems. See MODE below

use the specified **FORMAT** instead of the default; output a new?
line after each use of **FORMAT**

--printf=FORMAT

like **--format**, but interpret backslash escapes, and do not out?
put a mandatory trailing newline; if you want a newline, include
\n in **FORMAT**

-t, --terse

print the information in terse form

--help display this help and exit

--version

output version information and exit

The **MODE** argument of **--cached** can be: **always**, **never**, or **default**. **'al?**
ways' will use cached attributes if available, while **'never'** will try
to synchronize with the latest attributes, and **'default'** will leave it
up to the underlying file system.

The valid format sequences for files (without **--file-system**):

%a permission bits in octal (note **'#'** and **'0'** printf flags)

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%A permission bits and file type in human readable form

%b number of blocks allocated (see %B)

%B the size in bytes of each block reported by %b

%C SELinux security context string

%d device number in decimal (st_dev)

%D device number in hex (st_dev)

%Hd major device number in decimal

%Ld minor device number in decimal

%f raw mode in hex

%F file type

%g group ID of owner

%G group name of owner

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%i inode number

%m mount point

%n file name

%N quoted file name with dereference if symbolic link

%o optimal I/O transfer size hint

%s total size, in bytes

%r device type in decimal (st_rdev)

%R device type in hex (st_rdev)

%Hr major device type in decimal, for character/block device special files

%Lr minor device type in decimal, for character/block device special files

%t major device type in hex, for character/block device special

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%T minor device type in hex, for character/block device special files

%u user ID of owner

%U user name of owner

%w time of file birth, human-readable; - if unknown

%W time of file birth, seconds since Epoch; 0 if unknown

%x time of last access, human-readable

%X time of last access, seconds since Epoch

%y time of last data modification, human-readable

%Y time of last data modification, seconds since Epoch

%z time of last status change, human-readable

%Z time of last status change, seconds since Epoch

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%a free blocks available to non-superuser

%b total data blocks in file system

%c total file nodes in file system

%d free file nodes in file system

%f free blocks in file system

%i file system ID in hex

%l maximum length of filenames

%n file name

%s block size (for faster transfers)

%S fundamental block size (for block counts)

%t file system type in hex

%T file system type in human readable form

--terse is equivalent to the following FORMAT:

%n %s %b %f %u %g %D %i %h %t %T %X %Y %Z %W %o %C

--terse --file-system is equivalent to the following FORMAT:

%n %i %l %t %s %S %b %f %a %c %d

NOTE: your shell may have its own version of stat, which usually supersedes the version described here. Please refer to your shell's documentation for details about the options it supports.

AUTHOR

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REPORTING BUGS

GNU coreutils online help: <<https://www.gnu.org/software/coreutils/>>

Report any translation bugs to <<https://translationproject.org/team/>>

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Full documentation <<https://www.gnu.org/software/coreutils/stat>>
or available locally via: info '(coreutils) stat invocation'

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