

NAME

cksum – compute and verify file checksums

SYNOPSIS

cksum [*OPTION*]... [*FILE*]...

DESCRIPTION

Print or verify checksums. By default use the 32 bit CRC algorithm.

With no *FILE*, or when *FILE* is –, read standard input.

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

-a, --algorithm=TYPE

select the digest type to use. See DIGEST below

--base64

emit base64-encoded digests, not hexadecimal

-c, --check

read checksums from the *FILE*s and check them

-l, --length=BITS

digest length in bits; must not exceed the max size and must be a multiple of 8 for blake2b; must be 224, 256, 384, or 512 for sha2 or sha3

--raw emit a raw binary digest, not hexadecimal

--tag create a BSD-style checksum (the default)

--untagged

create a reversed style checksum, without digest type

-z, --zero

end each output line with NUL, not newline, and disable file name escaping

The following five options are useful only when verifying checksums:

--ignore-missing

don't fail or report status for missing files

--quiet

don't print OK for each successfully verified file

--status

don't output anything, status code shows success

--strict

exit non-zero for improperly formatted checksum lines

-w, --warn

warn about improperly formatted checksum lines

--debug

indicate which implementation used

--help display this help and exit

--version

output version information and exit

DIGEST determines the digest algorithm and default output format:

sysv (equivalent to sum -s)

bsd (equivalent to sum -r)

crc (equivalent to cksum)

crc32b (only available through cksum)
md5 (equivalent to md5sum)
sha1 (equivalent to sha1sum)
sha2 (equivalent to sha{224,256,384,512}sum)
sha3 (only available through cksum)
blake2b
(equivalent to b2sum)
sm3 (only available through cksum)

When checking, the input should be a former output of this program, or equivalent standalone program.

AUTHOR

Written by Padraig Brady and Q. Frank Xia.

REPORTING BUGS

Report bugs to: bug-coreutils@gnu.org

Report Gentoo bugs to: <https://bugs.gentoo.org/>

GNU coreutils home page: [<https://www.gnu.org/software/coreutils/>](https://www.gnu.org/software/coreutils/)

General help using GNU software: [<https://www.gnu.org/gethelp/>](https://www.gnu.org/gethelp/)

Report any translation bugs to [<https://translationproject.org/team/>](https://translationproject.org/team/)

SEE ALSO

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

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