

NAME

sha1sum – compute and check SHA1 message digest

SYNOPSIS

sha1sum [*OPTION*]... [*FILE*]...

DESCRIPTION

Print or check SHA1 (160-bit) checksums.

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

-b, --binary

read in binary mode

-c, --check

read SHA1 sums from the *FILE*s and check them

--tag create a BSD-style checksum

-t, --text

read in text mode (default)

-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

--help display this help and exit

--version

output version information and exit

The sums are computed as described in FIPS–180–1. When checking, the input should be a former output of this program. The default mode is to print a line with checksum, a space, a character indicating input mode ('*' for binary, ' ' for text or where binary is insignificant), and name for each *FILE*.

Note: There is no difference between binary mode and text mode on GNU systems.

BUGS

Do not use the SHA-1 algorithm for security related purposes. Instead, use an SHA-2 algorithm, implemented in the programs sha224sum(1), sha256sum(1), sha384sum(1), sha512sum(1), or the BLAKE2 algorithm, implemented in b2sum(1)

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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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SEE ALSO

Full documentation <<https://www.gnu.org/software/coreutils/sha1sum>>
or available locally via: info '(coreutils) sha1sum invocation'