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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'test.1' command

\$ man test.1

TEST(1) User Commands TEST(1)

NAME

test - check file types and compare values

SYNOPSIS

test EXPRESSION

test

[EXPRESSION]

[]

[OPTION

DESCRIPTION

Exit with the status determined by EXPRESSION.

--help display this help and exit

--version

output version information and exit

An omitted EXPRESSION defaults to false. Otherwise, EXPRESSION is true

or false and sets exit status. It is one of:

(EXPRESSION)

EXPRESSION is true

! EXPRESSION

EXPRESSION is false

EXPRESSION1 -a EXPRESSION2

both EXPRESSION1 and EXPRESSION2 are true

EXPRESSION1 -o EXPRESSION2

either EXPRESSION1 or EXPRESSION2 is true

-n STRING

the length of STRING is nonzero

STRING equivalent to -n STRING

-z STRING

the length of STRING is zero

STRING1 = STRING2

the strings are equal

STRING1 != STRING2

the strings are not equal

INTEGER1 -eq INTEGER2

INTEGER1 is equal to INTEGER2

INTEGER1 -ge INTEGER2

INTEGER1 is greater than or equal to INTEGER2

INTEGER1 -gt INTEGER2

INTEGER1 is greater than INTEGER2

INTEGER1 -le INTEGER2

INTEGER1 is less than or equal to INTEGER2

INTEGER1 -lt INTEGER2

INTEGER1 is less than INTEGER2

INTEGER1 -ne INTEGER2

INTEGER1 is not equal to INTEGER2

FILE1 -ef FILE2

FILE1 and FILE2 have the same device and inode numbers

FILE1 -nt FILE2

FILE1 is newer (modification date) than FILE2

FILE1 -ot FILE2

FILE1 is older than FILE2

-b FILE

FILE exists and is block special

-c FILE

FILE exists and is character special

-d FILE

FILE exists and is a directory

-e FILE

FILE exists

-f FILE

FILE exists and is a regular file

-g FILE

FILE exists and is set-group-ID

-G FILE

FILE exists and is owned by the effective group ID

-h FILE

FILE exists and is a symbolic link (same as -L)

-k FILE

FILE exists and has its sticky bit set

-L FILE

FILE exists and is a symbolic link (same as -h)

-N FILE

FILE exists and has been modified since it was last read

-O FILE

FILE exists and is owned by the effective user ID

-p FILE

FILE exists and is a named pipe

-r FILE

FILE exists and read permission is granted

-s FILE

FILE exists and has a size greater than zero

-S FILE

FILE exists and is a socket

-t FD file descriptor FD is opened on a terminal

-u FILE

FILE exists and its set-user-ID bit is set

-w FILE

FILE exists and write permission is granted

-x FILE

FILE exists and execute (or search) permission is granted

Except for -h and -L, all FILE-related tests dereference symbolic links. Beware that parentheses need to be escaped (e.g., by backslashes) for shells. INTEGER may also be -l STRING, which evaluates to the length of STRING.

NOTE: Binary -a and -o are inherently ambiguous. Use 'test EXPR1 && test EXPR2' or 'test EXPR1 || test EXPR2' instead.

NOTE: [honors the --help and --version options, but test does not. test treats each of those as it treats any other nonempty STRING.

NOTE: your shell may have its own version of test and/or [, 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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SEE ALSO

Full documentation <<https://www.gnu.org/software/coreutils/>>

or available locally via: info '(coreutils) test invocation'

GNU coreutils 8.32

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