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Rocky Enterprise Linux 9.2 Manual Pages on command 'fnmatch.3'

$ man fnmatch.3

FNMATCH(3)   Linux Programmer's Manual   FNMATCH(3)

NAME

    fnmatch - match filename or pathname

SYNOPSIS

    #include <fnmatch.h>

    int fnmatch(const char *pattern, const char *string, int flags);

DESCRIPTION

    The fnmatch() function checks whether the string argument matches the

    pattern argument, which is a shell wildcard pattern (see glob(7)).

    The flags argument modifies the behavior; it is the bitwise OR of zero

    or more of the following flags:

    FNM_NOESCAPE

        If this flag is set, treat backslash as an ordinary character,

        instead of an escape character.

    FNM_PATHNAME

        If this flag is set, match a slash in string only with a slash

        in pattern and not by an asterisk (*) or a question mark (?)

        metacharacter, nor by a bracket expression ([]) containing a

slash.

FNM_PERIOD

    If this flag is set, a leading period in string has to be
matched exactly by a period in pattern. A period is considered
to be leading if it is the first character in string, or if both
FNM_PATHNAME is set and the period immediately follows a slash.

FNM_FILE_NAME

    This is a GNU synonym for FNM_PATHNAME.

FNM_LEADING_DIR

    If this flag (a GNU extension) is set, the pattern is considered
to be matched if it matches an initial segment of string which
is followed by a slash. This flag is mainly for the internal
use of glibc and is implemented only in certain cases.

FNM_CASEFOLD

    If this flag (a GNU extension) is set, the pattern is matched
case-insensitively.

FNM_EXTMATCH

    If this flag (a GNU extension) is set, extended patterns are
supported, as introduced by 'ksh' and now supported by other
shells. The extended format is as follows, with pattern-list
being a '|' separated list of patterns.

'?(pattern-list)'

    The pattern matches if zero or one occurrences of any of the
patterns in the pattern-list match the input string.

'*(pattern-list)'

    The pattern matches if zero or more occurrences of any of the
patterns in the pattern-list match the input string.

'+(pattern-list)'

    The pattern matches if one or more occurrences of any of the
patterns in the pattern-list match the input string.

'@(pattern-list)'

    The pattern matches if exactly one occurrence of any of the pat‐
terns in the pattern-list match the input string.

'!(pattern-list)'

>The pattern matches if the input string cannot be matched with
>
>any of the patterns in the pattern-list.

RETURN VALUE

>Zero if string matches pattern, FNM_NOMATCH if there is no match or an?
>
>other nonzero value if there is an error.

ATTRIBUTES

>For an explanation of the terms used in this section, see at?
>
>tributes(7).
>
>???
>
>?Interface ? Attribute   ? Value   ?
>
>???
>
>?fnmatch() ? Thread safety ? MT-Safe env locale ?
>
>???

CONFORMING TO

>POSIX.1-2001, POSIX.1-2008, POSIX.2.   The FNM_FILE_NAME, FNM_LEAD?
>
>ING_DIR, and FNM_CASEFOLD flags are GNU extensions.

SEE ALSO

>sh(1), glob(3), scandir(3), wordexp(3), glob(7)

COLOPHON

>This page is part of release 5.10 of the Linux man-pages project. A
>
>description of the project, information about reporting bugs, and the
>
>latest   version   of   this   page,   can   be   found   at
>
>https://www.kernel.org/doc/man-pages/.

GNU   2019-03-06   FNMATCH(3)