



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

C:~>man rpmatch.3

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

NAME

rpmatch - determine if the answer to a question is affirmative or negative

SYNOPSIS

```
#include <stdlib.h>
```

```
int rpmatch(const char *response);
```

Feature Test Macro Requirements for glibc (see `feature_test_macros(7)`):

rpmatch():

Since glibc 2.19:

```
  _DEFAULT_SOURCE
```

Glibc 2.19 and earlier:

```
  _SVID_SOURCE
```

DESCRIPTION

rpmatch() handles a user response to yes or no questions, with support for internationalization.

response should be a null-terminated string containing a user-supplied response, perhaps obtained with `fgets(3)` or `getline(3)`.

The user's language preference is taken into account per the environment variables `LANG`, `LC_MESSAGES`, and `LC_ALL`, if the program has called `setlocale(3)` to effect their changes.

Regardless of the locale, responses matching `^[Yy]` are always accepted as affirmative, and those matching `^[Nn]` are always accepted as negative.

RETURN VALUE

After examining response, `rpmatch()` returns 0 for a recognized negative response ("no"), 1 for a recognized positive response ("yes"), and -1 when the value of response is unrecognized.

ERRORS

A return value of -1 may indicate either an invalid input, or some other error. It is incorrect to only test if the return value is nonzero.

`rpmatch()` can fail for any of the reasons that `regcomp(3)` or `regex(3)` can fail; the cause of the error is not available from `errno` or anywhere else, but indicates a failure of the regex engine (but this case is indistinguishable from that of an unrecognized value of response).

ATTRIBUTES

For an explanation of the terms used in this section, see `attributes(7)`.

??

?Interface ? Attribute ? Value ?

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?`rpmatch()` ? Thread safety ? MT-Safe locale ?

??

CONFORMING TO

`rpmatch()` is not required by any standard, but is available on a few other systems.

BUGS

The `rpmatch()` implementation looks at only the first character of response. As a consequence, "nyes" returns 0, and "ynever; not in a million years" returns 1. It would be preferable to accept input strings much more strictly, for example (using the extended regular expression notation described in `regex(7)`): `^[yY]|yes|YES)$` and `^[nN]|no|NO)$`.

EXAMPLE

The following program displays the results when `rpmatch()` is applied to the string given in the program's command-line argument.

```
#define _SVID_SOURCE
#include <locale.h>
#include <stdlib.h>
#include <string.h>
```

```
#include <stdio.h>

int
main(int argc, char *argv[])
{
    if (argc != 2 || strcmp(argv[1], "--help") == 0) {
        fprintf(stderr, "%s response\n", argv[0]);
        exit(EXIT_FAILURE);
    }

    setlocale(LC_ALL, "");

    printf("rpmatch() returns: %d\n", rpmatch(argv[1]));

    exit(EXIT_SUCCESS);
}
```

SEE ALSO

fgets(3), getline(3), nl_langinfo(3), regcomp(3), setlocale(3)

COLOPHON

This page is part of release 5.05 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

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