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

\$ man getrpcbyname_r.3

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

NAME

getrpcent_r, getrpcbyname_r, getrpcbynumber_r - get RPC entry (reen?
trant)

SYNOPSIS

```
#include <netdb.h>

int getrpcent_r(struct rpcent *result_buf, char *buf,
               size_t buflen, struct rpcent **result);

int getrpcbyname_r(const char *name,
                  struct rpcent *result_buf, char *buf,
                  size_t buflen, struct rpcent **result);

int getrpcbynumber_r(int number,
                    struct rpcent *result_buf, char *buf,
                    size_t buflen, struct rpcent **result);
```

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

getrpcent_r(), getrpcbyname_r(), getrpcbynumber_r():

Since glibc 2.19:

`_DEFAULT_SOURCE`

Glibc 2.19 and earlier:

`_BSD_SOURCE` || `_SVID_SOURCE`

DESCRIPTION

The `getrpcent_r()`, `getrpcbyname_r()`, and `getrpcbynumber_r()` functions are the reentrant equivalents of, respectively, `getrpcent(3)`, `getrpcbyname(3)`, and `getrpcbynumber(3)`. They differ in the way that the `rpcent` structure is returned, and in the function calling signature and return value. This manual page describes just the differences from the non-reentrant functions.

Instead of returning a pointer to a statically allocated `rpcent` structure as the function result, these functions copy the structure into the location pointed to by `result_buf`.

The `buf` array is used to store the string fields pointed to by the returned `rpcent` structure. (The nonreentrant functions allocate these strings in static storage.) The size of this array is specified in `buf_len`. If `buf` is too small, the call fails with the error `ERANGE`, and the caller must try again with a larger buffer. (A buffer of length 1024 bytes should be sufficient for most applications.)

If the function call successfully obtains an RPC record, then `*result` is set pointing to `result_buf`; otherwise, `*result` is set to `NULL`.

RETURN VALUE

On success, these functions return 0. On error, they return one of the positive error numbers listed in `ERRORS`.

On error, record not found (`getrpcbyname_r()`, `getrpcbynumber_r()`), or end of input (`getrpcent_r()`) result is set to `NULL`.

ERRORS

`ENOENT` (`getrpcent_r()`) No more records in database.

`ERANGE` `buf` is too small. Try again with a larger buffer (and increased `buf_len`).

ATTRIBUTES

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

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?Interface ? Attribute ? Value ?
??
?getrpcnt_r(), ? Thread safety ? MT-Safe locale ?
?getrpcbyname_r(), ? ? ?
?getrpcbynumber_r() ? ? ?
??

CONFORMING TO

These functions are GNU extensions. Functions with similar names exist on some other systems, though typically with different calling signatures.

SEE ALSO

getrpcnt(3), rpc(5)

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/>.

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