



### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'getrpcbynumber\_r.3'***

**\$ man getrpcbynumber\_r.3**

GETRPCENT\_R(3)      Linux Programmer's Manual      GETRPCENT\_R(3)

#### NAME

getrpccent\_r, getrpcbyname\_r, getrpcbynumber\_r - get RPC entry (reen?  
trant)

#### SYNOPSIS

```
#include <netdb.h>

int getrpccent_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)):

getrpccent\_r(), getrpcbyname\_r(), getrpcbynumber\_r():

Since glibc 2.19:

\_DEFAULT\_SOURCE

Glibc 2.19 and earlier:

`_BSD_SOURCE` || `_SVID_SOURCE`

## DESCRIPTION

The `getrpccent_r()`, `getrpcbyname_r()`, and `getrpcbynumber_r()` functions are the reentrant equivalents of, respectively, `getrpccent(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 `buflen`. 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 (`getrpccent_r()`) result is set to `NULL`.

## ERRORS

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

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

## ATTRIBUTES

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

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Interface	Attribute	Value
<pre> getrpcbyname_r(3) getrpcbynumber_r(3) getrpccent_r(3) </pre>		

## CONFORMING TO

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

## SEE ALSO

getrpccent(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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